

20010202.qrp v02_n086.qrl.20010202

Date: Fri, 2 Feb 2001 19:03:13 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2086

QRP-L Digest 2086

Topics covered in this issue include:

- 1) [90417] RE: ARRL and Morse Code??
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 2) [90418] Re: XCVR: FT-817
by Brian Short <k7on@earthlink.net>
- 3) [90419] RE: ARRL TV Commercial
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 4) [90420] 12,660 calculator programs you can download.
by neil <neil@aade.com>
- 5) [90421] RE: QSL info
by "AI2Q Alex" <ai2q@adelphia.net>
- 6) [90422] Re: More on the generator question
by "George, W5YR" <w5yr@att.net>
- 7) [90423] Re: Feb Bacon Bits
by "w8diz" <w8diz@cinci.rr.com>
- 8) [90424] RE: It's time to join!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 9) [90425] RE: QRP Quarterly (QQ) Comments
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 10) [90426] RE: Re; ARRL LIFE
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 11) [90427] Re: QSL info
by k1oj <k1oj@ditdit.com>
- 12) [90428] Re: DMM on sale...also 12v gel cell pwr supply
by Larry S Cahoon <wd3p@juno.com>
- 13) [90429] 5 Watts from 5W-land
by Dean Manley <kh6b@juno.com>
- 14) [90430] Crystal Freq.
by Jack Falk <k4byf@juno.com>
- 15) [90431] Re: R/S sale items
by Joseph I Pirkle <ad4ih@juno.com>
- 16) [90432] Re: HB: How is it done? - Red Hot Radio Lettering
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
- 17) [90433] Would you believe an SMK-1 question?
by Jeff Logullo <logullo@earthlink.net>
- 18) [90434] Re: R/S sale items
by "Rod Cerkoney" <n0rc@hotmail.com>
- 19) [90435] Re: R/S sale items

- by K4IA@aol.com
- 20) [90436] NorCal's February Meeting
by Jerry Parker <jparker@fix.net>
 - 21) [90437] NEQRP Net
by Jim Cluett <w1pid@yahoo.com>
 - 22) [90438] PSK and powerbook
by John Payne <paynej1@tnni.net>
 - 23) [90439] FT-817 DX Beacon Memory Management
by "Bruce Prior" <n7rr@hotmail.com>
 - 24) [90440] QSL Info -> Routes listed
by "Kevin F. Glynn" <kfglynn@mindspring.com>
 - 25) [90441] Fox- K4FB short report
by Paul Womble <pwomble1@tampabay.rr.com>
 - 26) [90442] Re: Would you believe an SMK-1 question?
by Jeff Logullo <logullo@earthlink.net>
 - 27) [90443] Re: DMM on sale...also 12v gel cell pwr supply
by "George, W5YR" <w5yr@att.net>
 - 28) [90444] RE: Crystal Freq.
by Lagier Gerard <Gerard.Lagier@cnes.fr>
 - 29) [90445] FYBO - NVQS
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
 - 30) [90446] TMPS - de N5IB
by n5ib@juno.com
 - 31) [90447] Re: Instructograph
by Joseph I Pirkle <ad4ih@juno.com>
 - 32) [90448] Re: SMK-1
by Mike Pupeza <mpupeza@altavista.com>
 - 33) [90449] RE: DMM on sale...also 12v gel cell pwr supply
by "Karl F. Larsen" <k5di@zianet.com>
 - 34) [90450] Lettering Cases
by Tim ORourke <TORourke@KaiserFT.com>
 - 35) [90451] Michigan QRP Net Results
by ed.kwik@delphiauto.com
 - 36) [90452] Fox: K4FB was weak into Fairport
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
 - 37) [90453] Re: DMM on sale...also 12v gel cell pwr supply
by "W5TB - 'Doc' Drake" <w5tb@softhome.net>
 - 38) [90454] Answering questions & "OT: Generator question"
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
 - 39) [90455] Re: Answering questions & "OT: Generator question"
by Michael Neverdosky <mneverdosky@earthlink.net>
 - 40) [90456] FS - shack cleaning - one left
by lfcpa@juno.com
 - 41) [90457] OT - Automotive Oscilloscope
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
 - 42) [90458] Re: OT - Automotive Oscilloscope
by Michael Neverdosky <mneverdosky@earthlink.net>
 - 43) [90459] FDIM 2001 Registration

by "Kenneth Evans" <w4du@mediaone.net>
44) [90460] Re: Really Stupid Question Time (calibrating a function generator
)
by "Phinizy, William" <wphinizy@filenet.com>
45) [90461] RE: QSL info
by "AI2Q Alex" <ai2q@adelphia.net>
46) [90462] Cherryland ARC FYBO
by KENNETH ROBERT MCGUIRE <at902@tcnet.org>
47) [90463] Cub Fox: W0MC Mea Culpa!
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
48) [90464] FYBO Tomorrow
by "Doug Hendricks" <ki6ds@dph.dpol.net>
49) [90465] Advice on Ten-Tec 30 meter QRP kit
by Paul <paul.adler@snet.net>
50) [90466] Re: Sort of OT: Generator Question
by "John Moriarity" <k6qq@hdo.net>
51) [90467] Re: Field radio/batt/solar?
by "W7TRX" <w7trx@mindspring.com>
52) [90468] Want IC-706 cw filter. UT-102 voice synth for trade
by JJ&A <w7ls@blarg.net>
53) [90469] Its 18 below..... we're ready for FYBO!!
by Jim NOUR <n0ur@yahoo.com>
54) [90470] FYBO Rules
by "Tntjoe" <tntjoe@qwest.net>
55) [90471] Seconding N2ABP's HoF nomination
by "David Maliniak" <dmaliniak@penton.com>
56) [90472] Re: Cub Fox: W0MC Mea Culpa!
by Jim Lavond <lavond@earthlink.net>
57) [90473] RE: Sort of OT: Generator Question
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
58) [90474] Re: Sort of OT: Generator Question
by "Brian" <bmurrey@amexol.net>
59) [90475] Re: FYBO Rules
by "Paul Harden, NA5N" <na5n@rt66.com>
60) [90476] Re: Sort of OT: Generator Question
by "George, W5YR" <w5yr@att.net>
61) [90477] RE: Advice on Ten-Tec 30 meter QRP kit
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
62) [90478] KPCB
by <wd9eyb@butler.qrp.com>
63) [90479] [PROP] FYBO Saturday (short)
by "Paul Harden, NA5N" <na5n@rt66.com>
64) [90480] Re: DMM on sale...also 12v gel cell pwr supply
by Phil Wheeler <w7ox@earthlink.net>
65) [90481] Reminder for the FEBRUARY SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
66) [90482] Re: FYBO Rules
by "Karl F. Larsen" <k5di@zianet.com>

- 67) [90483] w0rw@LBO for FYBO
by W0rw@aol.com
- 68) [90484] FYBO: Please try 15 & 10 M
by "Mark Adams, P.E." <k2qo@hotmail.com>
- 69) [90485] Re: Answering questions & "OT: Generator question"
by Don R Riedel <donkc0gmf@juno.com>
- 70) [90486] FYBO PROP Tutorial
by "Paul Harden, NA5N" <na5n@rt66.com>
- 71) [90487] HB - NorCal BLT - Balanced Line Tuner
by n5ib@juno.com
- 72) [90488] Special IA QRP-10 Contact
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 73) [90489] [KIT] Pixie2 questions
by Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>
- 74) [90490] RE: [KIT] Pixie2 questions
by Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>
- 75) [90491] Looking for QRP'er in Redding California!
by Jeff <fantbb@yahoo.com>
- 76) [90492] [KIT] Pixie2 Kit Info
by Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>
- 77) [90493] HW-9 SOLD
by Duffer <hduff@ica.net>
- 78) [90494] QRP Frequency Crystals
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 79) [90495] GQRP Club Renewal for 2001
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 80) [90496] RS Vectronics antenna analyzer quality
by "Dave Benham" <dodgeboy@mindspring.com>
- 81) [90497] Whoo-hah! 2N2/40 Happy dance at last!
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 82) [90498] Re: DMM on sale...also 12v gel cell pwr supply
by Tom Isgro <k8cz@concentric.net>
- 83) [90499] Re: RS Vectronics antenna analyzer quality
by "Bob Hightower" <nk7m@extremezone.com>
- 84) [90500] Re: Whoo-hah! 2N2/40 Happy dance at last!
by "Larry Przyborowski" <k3peg@yahoo.com>
- 85) [90501] Re: RS Vectronics antenna analyzer quality
by "Victor Blackwell" <victor@brechnet.com>
- 86) [90502] Re: Help with SMK-1 small problems!
by kh6b@juno.com
- 87) [90503] ZM-2 SCHEMATICS
by kh6b@juno.com
- 88) [90504] Re: Whoo-hah! 2N2/40 Happy dance at last!
by "Larry Przyborowski" <k3peg@yahoo.com>

Date: Thu, 1 Feb 2001 19:00:34 -0500

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'ka9nzi@arrl.net'" <ka9nzi@arrl.net>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [90417] RE: ARRL and Morse Code??
Message-ID: <125490A005E3D3118C9C00805FC743CC01C168FB@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> While I agree with those who say incentive licensing
> was a failure and caused more harm than it did good

I think the good was in the incentive; we probably all agree that the present scheme of increased priveleges for increased testing is a good one.

The harm was in the way it was done -- IMHO, not grandfathering existing priveleges caused a hurt that is still felt to this day.

73,
Ed Hare, W1RFI

-----Original Message-----

From: Gary Lee Phillips KA9NZI [mailto:ka9nzi@arrl.net]
Sent: Friday, January 26, 2001 11:46 AM
To: Low Power Amateur Radio Discussion
Subject: Re: ARRL and Morse Code??

<< I mean after the ARRL single
handedly destroyed the US electronic industry >>

> They did what????? What in the world are you smoking???

He's quoting directly from Wayne Green, Dave. Wayne has been saying this for thirty years, referring to the "incentive licensing debacle" (also Green's wording) of 1967.

While I agree with those who say incentive licensing was a failure and caused more harm than it did good, Green's position that it was responsible for the death of Hallicrafters, Collins, etc. is pure hyperbole. The economic trends that shipped electronics production overseas would have had the same effect with or without incentive licensing. The same trends put the Japanese on top of the automobile market at about that time.

-- Gary Phillips, Marengo, IL mailto:ka9nzi@arrl.net
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 http://www.qsl.net/ka9nzi/

Date: Fri, 02 Feb 2001 00:07:42 +0000
From: Brian Short <k7on@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90418] Re: XCVR: FT-817
Message-ID: <4.3.2.7.2.20010202000614.00b63480@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Often, Texas Towers has the lowest prices on the 'net. I buy products from them, from time to time. No connection.

At 09:57 PM 2/1/01, Richard Matthews wrote:

>At 16:49 2/1/01 -0500, you wrote:

> >

> >

> >ObQRP: A friend of mine got that new little FT-817 and really likes
> >it. I'm thinking of taking the plunge at Dayton.

> >

> >73! =paul= W8KC

> >.....

>

>Went over to <http://www.universal-radio.com/catalog/hamhf/0817.html> and

>checked it out . . WOW. Is \$759.95 a good price for the basic unit? I would
>have to have a shack cleaning to earn that rig.

>

>73,

>

>Richard WA4NWW

--

It is not the strengths, but the durations of great sentiments
that make great men. -Nietzsche

--

mailto:k7on@earthlink.net

--

Date: Thu, 1 Feb 2001 19:02:21 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.edu>
Subject: [90419] RE: ARRL TV Commercial
Message-ID: <125490A005E3D3118C9C00805FC743CC01C168FC@KAHLESS>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

To get Public Service Announcements, see:

<http://www.arrl.org/pio>

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Ron Polityka [<mailto:wb3aal@fast.net>]
Sent: Saturday, January 27, 2001 7:03 AM
To: Low Power Amateur Radio Discussion
Subject: ARRL TV Commercial

Hello,

Today I seen an ARRL TV Commercial on the channel
6 station out of Philadelphia, PA.

It was about a 15 second commercial advertising on
how to become an Amateur Radio Operator. They even
had some Morse code in the background.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call

N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Thu, 01 Feb 2001 16:18:03 -0800
From: neil <neil@aaade.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90420] 12,660 calculator programs you can download.
Message-ID: <3A79FCBB.9D3C2B94@aaade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check this out for fun
<http://sun2.lib.uci.edu/~martindale/RefCalculators4A.html#ELEC-MICROSTRIP>

usual disclaimers.

--

Neil
<http://www.aaade.com>
<mailto:neil@aaade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Thu, 1 Feb 2001 19:20:54 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <ae5x@qsl.net>
Cc: "QRP-L (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [90421] RE: QSL info
Message-ID: <001101c08cae\$0268e1c0\$7e0af618@knbunk.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John, if a DX station has a manager, the K4UTE site is a good place to start searching for info. Go to <http://users.southeast.net/~rhicks/k4ute.htm> and check it out.

However, it's also good practice to double-check addresses with as many other sources as possible, such as QRZ.com and Buckmaster callbooks, as well as OPDX, 425DX, and ARRL bulletins as well.

It pays to be thorough if you consider the cost of the card, envelopes (the SASE), the enclosed IRC, and the postage, to say nothing of your time filling out cards and addressing those envelopes.

I occasionally also e-mail a station or a station's manager first to confirm addresses, especially when Web searches turn up more than one address. That works surprisingly often.

Another good thing to do is get some airmail envelopes that fit inside other airmail envelopes. That way, you can include the return mailer and not have to fold it to cause a bulky envelope that might lure some foreign postal handler to open it up looking for greenbacks. I also snip off the lower left-hand corner of the outgoing envelope if I'm sending it to a questionable third-world country; that way a greedy unscrupulous postal workers can peer in without opening the envelope.

GL es 73, AI2Q, Alex in Kennebunk, Maine (QRP-L 687) .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of John Harper
Sent: Thursday, February 01, 2001 6:43 PM
To: Low Power Amateur Radio Discussion
Subject: QSL info

Does anyone know of a web site with qsl manager info for recently active DX stations?

Specifically looking for :

9G5AA
3V8BB
V51AS
D4A

Thanks and 72,

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Thu, 01 Feb 2001 18:20:47 -0600
From: "George, W5YR" <w5yr@att.net>
To: grudin@vdbbs.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90422] Re: More on the generator question
Message-ID: <3A79FD5F.9E657CF9@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeff, I think that maybe you are looking at current ratings when the focus should be on power ratings. Your 1000 watt a-c generator can output about 8 amps at 120 volts. Your battery charger can output 10 amps at 13.8 volts. That means that you are using only 138/1000 or less than 14% of your available generator capacity to charge your battery when it is consuming 10 amps of charging current.

You will have much more generator capacity than you need to drive the charger even at full charging output. Your 100 watt rig will draw about 250 watts during transmit conditions. This is about 18 amps or so load current from the battery that the charger will replace during periods of low current demand from the rig.

You should have more than ample capacity to handle the station.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Jeff Grudin wrote:

>
> Guys thanks for the replies so far.
>
> However no one has addressed my actual question. What Greg has suggested
> is very similar to what I have been doing at field day. We plug the
> battery charger into the generator and then float charge the battery
> while it is in use. This works fine and in 5 years of doing it I have
> never had a problem. The battery charger is 10A and cuts to 2A trickle
> charge when battery is topped up.
>

> The generator that I am considering puts out 8A and my question is will
> that be enough to maintain the charge on the battery during a contest?
> I think that it will as the radio draws much less than that on receive.
> But I would like to know how to calculate it so I can make more than a
> guess.

Date: Thu, 1 Feb 2001 19:00:48 -0500
From: "w8diz" <w8diz@cinci.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [90423] Re: Feb Bacon Bits
Message-ID: <00ff01c08cad\$ba5298e0\$7ecd1b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As usual, another fine piece of work!!!
One more attaboy for Dan.

And the price is right :-)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FPqrp#-1 <http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

----- Original Message -----
From: <Shephed@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 01, 2001 12:09 PM
Subject: Feb Bacon Bits

Well, it's here! Point yourself to:
<http://www.mpna.com/fpqrp/news.html>
and get this month's issue.

Don't forget, send your news items, articles, or story to me (n8ie@aol.com)
for the March issue.

72, oo
Dan, N8IE
FPqrp #-6

Date: Thu, 1 Feb 2001 19:23:54 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90424] RE: It's time to join!
Message-ID: <125490A005E3D3118C9C00805FC743CC01C168FD@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

ka8nzi@arrl.net writes:

> I frequently disagree with the ARRL board of directors.

As do I.

> But the fact is, they have the ear of the FCC, and the rest of us do not.

Don't discount your own ear with the FCC. ARRL encourages hams to send comments to the FCC on matters that concern ham radio. The comments from individuals on restructuring were an important part of the process. The article on ARRL's web page on the FCC/US preparations for WRC-2003 has an email address to which individuals can send input. I wish more hams WOULD send comments to the FCC.

I think in most matters directly involving ham radio, the amateur community is somewhat plugged in to the process, in addition to the work being done by ARRL. However, there are many FCC and other matters that could affect amateur radio that draw almost no comment. How many individual hams commented on the various Part 15 matters that have surfaced in the past year? ARRL did. The ear that ARRL does have is the ear of various industry committees and user groups; ARRL's recent work with the Home Phone Networking folks was a very important part of the process that resulted in their including a notch in the 40 meter band in their spec. ARRL serves in industry committees, through the work of volunteers on VDSL, home network kind similar committees, to the work of staff on the IEEE/ANSI C.63 "RFI" committee, to the SCC-28 "RF-safety" committee to ARRL's work with the EIA to jointly publish the "consumer-RFI" pamphlet:

http://www.ce.org/tech_education_and_services/67-12005.cfm

Although the FCC solicits the input of hams, in addition to working with organizations, these industry groups essentially will work only organizationally. ARRL puts scarce staff resources to making some of this happen.

> We have more influence on the future course of amateur radio
> through the League, and I think it behooves us all to support

> them and put pressure on them to change when we disagree.

That input means more than you might think. I bend Tom Frenaye's ear quite a bit, and I hope that others will do the same with their Directors. Those who will be in Miami this weekend should take a bit of time Sunday afternoon and attend the ARRL Forum. This is an excellent opportunity to discuss things with the Southeastern Division Director. ARRL President Jim Haynie will be there, and I bet you all a cup of ARRL Lab coffee that you will like him.

ARRL member input is responsible for some changes recently at ARRL HQ. First and foremost, and long overdue, is a fresh emphasis on reporting to the amateur community just what the ARRL is up to and just what is being done with those membership dues that are collected. A good example is found on the article about the DC team's efforts wrt "out of band emissions," a fairly technical subject that took quite a bit of staff time to address properly. I have done a lot of unreported work myself, and, with a bit of kicking from above, you can expect to see a lot more of this sort of thing reported on the web and in print. ARRL hired a new staffer late last year to do just that, and he is coming up to speed and building a bit of momentum. Let the League know what you think of the improved communication; that is a great way to get them to do more of it!

What I have to get cracking on is a report/article on the meeting of the ARRL RFI Task Group, the work of several committees I work with, a summary of VDSL, Home Phone Networking, HomePlug electrical-wiring networking and a few other things I have been doing of late. Unfortunately, there has been more news to report than Ed Hare to go around and get it written up, but with some additional help from the Editorium and some additional Lab staff they are letting me hire, I will have to do it, or face the wrath of the ARRL Board. :-)

Give it a while, then let the League know what you think.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Gary Lee Phillips KA9NZI [mailto:ka9nzi@arrl.net]
Sent: Friday, January 26, 2001 11:53 AM
To: Low Power Amateur Radio Discussion
Subject: RE: It's time to join!

> You bet. Old Guglielmo Marconi, Armstrong, Tesla, et al, would have
> been nowhere without the league. Join Now! Send Money! Buy Bonds!

No one (that I've ever heard!) credits the League with *inventing*
amateur radio, John. It is however true that without the repeated
efforts of the ARRL, amateur radio might well have been legislated
or regulated out of existence at several times in the past. The
risk is still there, though the reasons have changed.

I frequently disagree with the ARRL board of directors. But the
fact is, they have the ear of the FCC, and the rest of us do not.
We have more influence on the future course of amateur radio
through the League, and I think it behooves us all to support
them and put pressure on them to change when we disagree.

-- Gary Phillips, Marengo, IL mailto:ka9nzi@arrl.net
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Thu, 1 Feb 2001 19:28:33 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90425] RE: QRP Quarterly (QQ) Comments
Message-ID: <125490A005E3D3118C9C00805FC743CC01C168FE@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> Wow, the 40th Anniversary Issue looks Great!!!!

Yes, indeed; let me second that. When I opened the envelope, I was in
absolute awe of the changes.

Let me take this opportunity to publically thank the entire QQ editorial
team for a very well done job.

You know, QQ should be promoted to the homebrew community; there are a ton
of good construction articles in it!

73,

Ed Hare, W1RFI

Date: Thu, 1 Feb 2001 19:31:41 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>
Subject: [90426] RE: Re; ARRL LIFE
Message-ID: <125490A005E3D3118C9C00805FC743CC01C168FF@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> Uhhh .. the issue here was Life Membership vs. yearly. Are you
> suggesting that Life Members are more supportive??

The way ARRL invests LM dues, the support of LMs, and guy s like me who
renew a few years at a time so I can make sure I want to be a member every
few years, it the same.

73,
Ed Hare, W1RFI
ARRL Lab

Date: Wed, 31 Jan 2001 19:01:07 -0600
From: k1oj <k1oj@ditdit.com>
To: ae5x@qsl.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90427] Re: QSL info
Message-ID: <006a01c08bea\$75cdbec0\$0b01a8c0@k1oj>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

You can find the QSL routes from my web page at www.ditdit.com , I checked
all the calls you mentioned and all were available via the QRZ manager
button except V51AS, he can be found using the 'RW1QM' button.

OJ
ditdit

Reply To:
k1oj@ditdit.com
k5oj@ditdit.com
www.ditdit.com
----- Original Message -----
From: "John Harper" <ae5x@qsl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 01, 2001 5:43 PM
Subject: QSL info

> Does anyone know of a web site with qsl manager info for recently active
DX
> stations?
> Specifically looking for :
> 9G5AA
> 3V8BB
> V51AS
> D4A
>
> Thanks and 72,
>
> John Harper AE5X
> Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>
>
>
>

Date: Fri, 2 Feb 2001 01:25:58 +0000
From: Larry S Cahoon <wd3p@juno.com>
To: w5yr@att.net, qrp-1@Lehigh.EDU
Subject: [90428] Re: DMM on sale...also 12v gel cell pwr supply
Message-ID: <20010202.014134.-436285.4.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>
> The spec sheet claims that it is a 5 amp-hr battery, FWIW. One
> caution:
> they warn not to charge the battery from the wall-wart longer than
> 48
>

I went into the case - the specs say 5 Ah, the add, if I remember right,
said 3.5 Ah. The battery itself is not a common brand. It is labeled SEL
and seems to have an odd trademark symbol on it. It is labeled 12V4AH.
So I guess it thinks it's a 4 Ah cell. I don't consider it a great deal
at the price. I figure I paid for the case, which is nice for carrying
the thing somewhere. I really don't care for the cigarette lighter style
charger and output.

It also comes with a cord with a lighter plug on each end. They seem to want to say you can use it in the car to run stuff when you disconnect the car battery for maintenance purposes or to help boost a dead car battery, but they also say don't plug it in unless the car is running. They also claim that you can use to cord to charge the battery from the car you can charge it in 2-3 hours. If that is true I doubt the battery will last very long. The wall wart that comes with it is labeled 12 volt 500 mA. 500 mA is a bit higher than the usually recommendation for these batteries.

My own assessment is that if you want a nice carrying case then the price is ok assuming the battery itself is of decent quality - only time will tell on that score. If you don't need the case then don't bother with this thing. You can do just as well getting a battery elsewhere. My memory says I can get the 5 Ah PowerSoncis locally for \$25 and that is what this thing cost when shipping is added in.

73 de Larry.....WD3P

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 1 Feb 2001 20:46:06 -0500 (EST)

From: Dean Manley <kh6b@juno.com>

To: qrp-l@lehigh.edu

Cc: kh6b@juno.com

Subject: [90429] 5 Watts from 5W-land

Message-ID: <382250531.981078366481.JavaMail.root@web315-wra.mail.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Group,

Sorry to report no QSOs with North America during my short stay at Apia Samoa. I operated as 5W0WM. I readily made contacts with Hawaii on 7040 and on 10m. Most notable was KH6AFS, hearing my 250mW, which is over 10,000 mpw. Other South Pacific stations and Asia were worked. DJ2YE with his 12-element beam on 20m was easily worked. I used my K2 at 5W into a trap dipole at 20 feet, on 40, 20 and 15m. Also used was a W6MMA SuperVertical on 10m. Many CQs went out on the QRP CW frequencies. I'm planning to return to 5W-land in the future.

Aloha,

Dean KH6B/5W0WM

Date: Thu, 1 Feb 2001 20:43:34 -0500
From: Jack Falk <k4byf@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [90430] Crystal Freq.
Message-ID: <20010201.204337.-885415.0.K4BYF@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks to all for their response to my question. I'm amazed at how fast one can get worthwhile info on this reflector. 73/72 de Jack, K4BYF

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 1 Feb 2001 21:09:41 -0500
From: Joseph I Pirkle <ad4ih@juno.com>
To: qrp-1@Lehigh.EDU
Cc: ekdave@earthlink.net, wb9iog@revealed.net, badger@vbe.com, n0rc@hotmail.com
Subject: [90431] Re: R/S sale items
Message-ID: <20010201.210946.-3460041.3.ad4ih@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike, Rod, the 'nother Mike and Dave,

Now you guys have gone and got me into BIG trouble with the XYL! I could not resist the DMM, the mfj-259 clone and the Vector power pack. I ordered them and told the XYL ex-post facto. She now wants to know what I am going to do with (1) the Simpson, (2) the noise bridge and freq-meter combo and of course (3) the new 7 amp battery she bought for me a month ago. I told her (1) sell it, (2) sell 'em, and (3) you never have enough back-up batteries.

Now folks, it is not all bad, because I figure the FREEZE will still be on Saturday during FYBO and I will try to get her to stand next to the

operating position. That's definitely going to drop the temp and raise the multiplier

If any of you show up at Banana Lake in Lakeland FL Saturday I will be the guy with a knot upside ma' head.

All have a fun and safe FYB0.

72/73,
Joe Pirkle, AD4IH,
QRP-L #2236
ad4ih@arrl.net / ad4ih@juno.com

Date: Fri, 02 Feb 2001 02:17:19 +0000
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>
To: K5BDZ@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90432] Re: HB: How is it done? - Red Hot Radio Lettering
Message-ID: <5.0.2.1.0.20010202021324.00a7a940@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:45 AM 2/1/01 -0500, K5BDZ@aol.com wrote:

>6. LIGHTLY spray over lettered surface with Clear Acrylic...LIGHTLY because
>the clear spray will soften the paint and the letter will sink into the paint
>a little...too much clear spray and the letter will sink into paint too much
>and ruin your lettering job.
>
>
>Bill K5BDZ

A secret hint on #6. When Bill says lightly, he really really means lightly. Some of the rub on (well heck, most of them) will curl badly when sprayed with clear Krylon (tm) or other chemicals. I have had to use more than three very very light coats to keep the lettering from being ruined. Been there. Done that.

I also like cooking at 170 degrees F for two or more hours to get paint to set properly and not scratch easily.

FYI

Chuck Adams, K7QO
Prescott, AZ k7qo@primenet.com

TMPS-2001 Feb. 01, 2001 Q's = 84 States = 28 Counties = 71 DXCC = 5
SWL-30 with CMOS 3 keyer and Vibroplex Code Warrior Paddle 0.500W and vee-beam
ID TX LA CA AZ NM WY NV MT CO OR ME KY WA SD NE NC AR IA GA HI MN AL WI MD (first
25)
OH CT MO (in order worked)

DXCC --- K XE VE KH6 V73

Date: Thu, 01 Feb 2001 20:24:29 -0600
From: Jeff Logullo <logullo@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90433] Would you believe an SMK-1 question?
Message-ID: <3A7A1A5D.BA3213ED@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Okay, so I'm late to the party :-)) but I'm finally building my SMK-1. So far so good... but my kit's parts got packaged strangely somehow.

To wit, Bag #2, second row, Items 18-20: the three 2222 transistors were on the right end of the row, not on the left per the manual's bag description. So, I'm a little nervous about figuring out who's the 3906 and the J309. My two parts have these IDs on the top: 6U4 and K3NC.

Would some kind soul with good eyes, a good magnifier, and good lighting be able to tell me what *your* parts Q6 and Q1 say on their tops?

Thanks,
Jeff N0MII

P.S. I tried to find out this ID info via the web, but the only information I found made me *more* confused, not less. If someone knows a good source of info on IDs for these little buggers, I'd like to know that, too.

Date: Thu, 01 Feb 2001 19:25:31 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: ad4ih@juno.com, qrp-l@Lehigh.EDU
Subject: [90434] Re: R/S sale items
Message-ID: <F229vqzAoa2JB1ndcx30000295a@hotmail.com>

Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang:

Here's how I handled that little problem a few years back. No doubt your XYL has an interest of some type, sewing, knitting, shoes, earrings...etc. With my wife it's earrings. The dialog went something like this:

XYL: What are you going to do with all those radios? You can only use one at a time.

ME: What are you going to do with all those earrings? You can only wear one pair at a time.

And the radio geek and earring lady lived happily ever after. ;-)

73, Rod N0RC
Fort Collins, CO

>From: Joseph I Pirkle <ad4ih@juno.com>
>Reply-To: ad4ih@juno.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: R/S sale items
>Date: Thu, 1 Feb 2001 21:09:41 -0500
>
>
>Mike, Rod, the 'nother Mike and Dave,
>
>Now you guys have gone and got me into BIG trouble with the XYL! I could
>not resist the DMM, the mfj-259 clone and the Vector power pack. I
>ordered them and told the XYL ex-post facto. She now wants to know what

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Date: Thu, 1 Feb 2001 21:32:23 EST
From: K4IA@aol.com
To: n0rc@hotmail.com
Cc: qrp-1@lehigh.edu
Subject: [90435] Re: R/S sale items
Message-ID: <bb.b5b3ce5.27ab7637@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

While you are at it -

Don't forget the shoes -- as in "How many black pumps can you wear at one time anyway?" Then be sure to duck. hi hi

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788

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Date: Mon, 29 Jan 2001 18:45:06 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-l@LeHigh.edu
Subject: [90436] NorCal's February Meeting
Message-ID: <2.2.32.20010130024506.006cf494@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Upcoming February Meeting

QRPers, the February meeting of the NorCal QRP Club will be held as usual Sunday February 4th at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the

SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so. No rules, no minutes, no new business, no old business, just a get together of QRPers who want to meet and share QRP information with others of like interests. Our meeting is entirely social, and those who attend always seem to enjoy themselves. If you come, bring along your latest project to share with the rest of us, we want to see and admire it, probably steal a couple of your ideas in our next project, but we will have fun!

72,
Doug, KI6DS

Date: Thu, 1 Feb 2001 19:10:48 -0800 (PST)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [90437] NEQRP Net
Message-ID: <20010202031048.73857.qmail@web11606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

NEQRP Net On Thursday Night at 0200Z on 3561

Great NEQRP net with 14 checkins. Thanks to all.
Good sigs all around.

W1PID	Jim	Sanbornton, NH
K1CWZ	Spi	Nashua, NH
AB8DF	Ed	Waterford, MI
N1EI	Charlie	Mansfield Center, CT
AA1MY	Seab	Bethel, ME
WY1W	Butch	Gales Ferry, CT

WB0CLD	Bill	St. Charles, MO
WB1HBE	John	Chelmsford, MA
K4NK	Les	SC
AE4IC	Bob	Greensboro, NC
K1RC	John	Dracut, MA
N1ZSW	Ron	Worcester, MA
W2XS	John	Long Island, NY
W1CFI	Paul	Falmouth, MA

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Date: Thu, 1 Feb 2001 22:24:48 -0500
From: John Payne <paynej1@tnni.net>
To: qrp-1@lehigh.edu
Subject: [90438] PSK and powerbook
Message-ID: <SAK.2001.02.01.pkeerddj@john-payne>
MIME-Version: 1.0
Content-Type: Text/Plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8Bit

Has anybody done anything with PSK-31 on the Mac PowerBook-190?
This is the 40 MHz version w/68040 proc, I think a 310 meg drive and 8
megs ram. Is this thing do-able? Would anyone like to buy my
powerbook with portable color printer? If interested contact me direct
and we'll talk. Have manuals, disks, etc.

73 de John N4FLJ

Date: Fri, 02 Feb 2001 03:51:30
From: "Bruce Prior" <n7rr@hotmail.com>
To: n7rr@hotmail.com
Subject: [90439] FT-817 DX Beacon Memory Management
Message-ID: <F68A1Qcaz5cBG83Fn0400006a7d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The Yaesu FT-817 QRP transceiver has 200 regular memories to play with and
to
manage. One big help is the MEM GROUP function, which allows those memories
to

be compartmentalized into groups of twenty: 001-020, 021-040 . . . 181-200.

A
nifty use of 5 of those memories is for tracking world-wide propagation through the Northern California DX Foundation Beacon Network. It consists of 18 carefully coordinated and strategically located beacon stations. The stations work on a 3-minute cycle. Each station transmits within a 10-second slot once on each of five bands. The cycle begins on 14.100 MHz CW with station 4U1UN on the United Nations building in New York City. During each successive 10-second interval the station moves to 18.110 MHz, 21.250 MHz, 24.930 MHz and 28.200 MHz.

The beacon transmits its callsign, then four long dahs, the first at 100 W, the next at 10 W, the next at 1 W and the next at 100 mW. Here is the schedule, which repeats every three minutes. So, at 03:00 or three minutes exactly after the hour, 4U1UN will again transmit on 20 m, then again at 06:00 or six minute

exactly after the hour, etc. etc.:

14.10 MHz	18.11 MHz	21.15 MHz	24.93 MHz	28.20 MHz	Call	QTH
00:00	00:10	00:20	00:30	00:40	4U1UN	United Nations, NY USA
00:10	00:20	00:30	00:40	00:50	VE8AT	Eureka, Nunavut Canada
00:20	00:30	00:40	00:50	01:00	W6WX	Mt. Umunhum, CA USA
00:30	00:40	00:50	01:00	01:10	KH6W0	Laie, HI USA
00:40	00:50	01:00	01:10	01:20	ZL6B	Masterson, New Zealand
00:50	01:00	01:10	01:20	01:30	VK6RBP	Rolystone, W. Australia
01:00	01:10	01:20	01:30	01:40	JA2IGY	Mt. Asama, Japan
01:10	01:20	01:30	01:40	01:50	RR90	Novosibirsk, Russia
01:20	01:30	01:40	01:50	02:00	VR2HK	Hong Kong, China
01:30	01:40	01:50	02:00	02:10	4S7B	Colombo, Sri Lanka
01:40	01:50	02:00	02:10	02:20	ZS6DN	Pretoria, South Africa
01:50	02:00	02:10	02:20	02:30	5Z4B	Kilifi, Kenya
02:00	02:10	02:20	02:30	02:40	4X6TU	Tel Aviv, Israel
02:10	02:20	02:30	02:40	02:50	OH2B	Espoo, Finland
02:20	02:30	02:40	02:50	00:00	CS3B	Santo da Serra, Madeira
02:30	02:40	02:50	00:00	00:10	LU4AA	Buenos Aires, Argentina
02:40	02:50	00:00	00:10	00:20	OA4B	Lima, Peru
02:50	00:00	00:10	00:20	00:30	YV5B	Caracas, Venezuela

Currently 4X6TU and CS3B are off the air. VR2HK transmits intermittently and

KH6W0 does not transmit on 17 m and 12 m. Since VE8AT is located in Nunavut,

its prefix is obsolete, so its callsign is slated to be changed.

So, to program the FT-817, let's put the five frequencies into conveniently-adjacent memories. One good sequence would be:

Mem#	Receive Freq	Mode	TAG	Transmit Freq
041	14.10000 MHz	CW NAR	NCDX20	14.09750 MHz
042	18.11000 MHz	CW NAR	NCDX17	18.10750 MHz
043	21.15000 MHz	CW NAR	NCDX15	21.14750 MHz
044	24.93000 MHz	CW NAR	NCDX12	24.92750 MHz
045	28.20000 MHz	CW NAR	NCDX10	28.19750 MHz

If you have a CW filter installed, by all means program each NCDXF frequency to

employ it. We started with memory 041 since that's the beginning of one group

when MEM GROUP segmentation is implemented, so you can dial in to that memory

quickly: in memory mode, push SEL in, then rotate SEL until "c" flashes in the

upper left corner of the display. Second and very important, we programmed a

separate transmit and receive frequency. I chose to offset the two by 2.5 kHz.

That's in case I want to tune up near the beacon frequency or in case I accidentally jar a keyer paddle while monitoring a NCDXF beacon frequency.

I

NEVER want to transmit on one of those frequencies, since the beacon network is

a world-wide resource from which all HF amateur operators can benefit. For instructions on programming separate transmit and receive frequencies, see page

45 of the FT-817 Operator Manual or if you're using my Vade Mecum quick-reference card set, see PTT Switch under Basic Controls.

Now we're set. Suppose we want to find out what what sort of propagation path

is open, say, to southern South America, start on 20 m, memory 041 and listen

for LU4AA. It should transmit there at exactly hh:02:30, hh:05:30, hh:08:30,

hh:11:30, hh:14:30, hh:17:30, hh:20:30, hh:23:30, hh:26:30, hh:29:30, hh:32:30,

hh:35:30, hh:38:30, hh:41:30, hh:44:30, hh:47:30, hh:50:30, hh:53:30, hh:56:30,

or hh:59:30. If your CW skills are sufficient, just sit on 14.1 MHz until you

hear LU4AA. If CW is not your thing, calibrate your clock exactly with WWV/WWVH, which, presumably, you've also programmed into your FT-817 at 2.5, 5.0, 10.0, 15.0 and 20.0 MHz. Then when you hear some CW at exactly those above-listed intervals past each hour, you should be hearing the Buenos Aires

beacon. As soon as you have heard its transmission on 20 m, immediately

click
the SEL control one click clockwise to catch the next transmission on 17-m,
then
10 seconds later on 15-m, then on 12-m and finally on 10-m. Pay special
attention to the long dahs following the callsign. If you can hear only the
first 100-W dah, then the path isn't ready for QRP operation. If you can
hear
the third and fourth dahs, those are at the 1-W and 100-mW levels. It's
definitely time for a directional CQ on that band. Have fun!
73, Bruce Prior N7RR in Blaine, WA

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Date: Thu, 1 Feb 2001 23:12:10 -0500
From: "Kevin F. Glynn" <kfglynn@mindspring.com>
To: <qrp-l@lehigh.edu>
Subject: [90440] QSL Info -> Routes listed
Message-ID: <001701c08cce\$520fe960\$0c362e3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John,

Info as follows per Golist Feb 2001:

9G5AA via GM4FDM

3V8BB need date of operation; depends on date

V51AS via Frank Steinhauser, POB 2516, Swakopmund, Namibia

D4A via I2MQP

Sent to list in case someone else may need same info.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@mindspring.com

Date: Thu, 01 Feb 2001 23:13:58 -0500

From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: Foxii <qfox@egroups.com>
Subject: [90441] Fox- K4FB short report
Message-ID: <3A7A3406.B4AB8DD5@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for almost being late! I had a meeting tonight in Tampa for the MS150 bike ride that we provide communications for each year. Sprinted home in time to catch most of Survivor II...then out to the shack right at 0200z for the start.

Sorry for the poor keying at the start. This is the first time I have used WriteLog on the air and I was sending entirely from the keyboard on the laptop. I'm used to the keyboard...but usually have the paddle connected also. Tonight I didnt have that and anything to send other than what was programmed into the function key macros had to be keyed directly with the keyboard.

122 in the log plus myself.

Conditions were much better tonight than my first round. Worked some of you left coast guys very early. The 5's, who are normally loud here, were very loud tonight. I tried to only listen up 1 to 3 for the first hour...I didnt use any real pattern but to move the dial after working 1 or 2 stations on the same frequency. I would go back to the top from time to time and pick up a couple of the weaker hounds until the loud pack would show up.

The last 7 minutes had the buzzsaw or whatever that racket is LOUD. I know there were still hounds calling in...but the QRM level was terrible. Sorry. I am glad it waited that long however to start.

Log will be out tomorrow.

73
Paul K4FB

Date: Thu, 01 Feb 2001 22:34:04 -0600
From: Jeff Logullo <logullo@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90442] Re: Would you believe an SMK-1 question?
Message-ID: <3A7A38BC.7162A35B@earthlink.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all who replied--you've resolved my problem of "who's who" regarding Q1 and Q6. QRP-L is one great bunch.

Onward!

P.S. For the archives...

Q1 - MMBFJ309LT1 - "6U4" (unanimous)
Q6 - MMBF3906LT1 - "K3NC" or "K3N/K7" (or perhaps S2A)

Interesting that the Q6 markings are varied. One more wrinkle with surface mount parts...

Date: Thu, 01 Feb 2001 22:36:04 -0600
From: "George, W5YR" <w5yr@att.net>
To: Larry S Cahoon <wd3p@juno.com>
Cc: qrp-l@Lehigh.EDU
Subject: [90443] Re: DMM on sale...also 12v gel cell pwr supply
Message-ID: <3A7A3934.6FF9B59A@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry, I also wondered about the wall-wart, but consider that the 500 ma. is the rating and does not equal to actual charging current delivered. Also, the output voltage will almost always be higher than the rated 12 volts if the current is less than the rated 500 ma.

So, I concluded that the terminal voltage is probably high enough to adequately charge the battery over a 12-24 hours period, depending upon the state of discharge.

My battery is marked "9910" which I interpret as an October 1999 date code. I haven't taken it out of the case to see the label, etc., but I suspect that your 4 a-Hr label is correct for most of these units.

I got it mainly for the small size. I have a large Power Station at 7.5 A-Hr but it is pretty big. This is a good size to use with the laptop, etc.

Thanks for the info.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Larry S Cahoon wrote:

> My own assessment is that if you want a nice carrying case then the price
> is ok assuming the battery itself is of decent quality - only time
> will tell on that score. If you don't need the case then don't bother
> with this thing. You can do just as well getting a battery elsewhere.
> My memory says I can get the 5 Ah PowerSoncis locally for \$25 and that
> is what this thing cost when shipping is added in.

Date: Fri, 2 Feb 2001 09:01:28 +0100
From: Lagier Gerard <Gerard.Lagier@cnes.fr>
To: "'k4byf@juno.com'" <k4byf@juno.com>
Cc: "'QRP-L'" <qrp-l@lehigh.edu>
Subject: [90444] RE: Crystal Freq.
Message-ID: <200102020755.IAA27928@cnes.fr>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable

In my knowledge, the 2 crystals have to be matched (50Hz).
The K2 rig uses this configuration in its VCO (and BFO I guess)
BTW, adding one more crystal (3) does not improve the effect....

Best 73

G=E9rard, F6EHJ

> -----
> De : Jack Falk[SMTP:k4byf@juno.com]
> R=E9pondre =E0 : k4byf@juno.com
> Date : jeudi 1 f=E9vrier 2001 22:29
> A : Low Power Amateur Radio Discussion
> Objet : Crystal Freq.
>=>20
>=>20
> N6CM, in the Summer 1998 QRPp, has a schematic of a 2 transistor 40 =
mtr
> transceiver that uses 2 parallel identical crystals to increase the

> tuning range. Does anyone know if the crystals must be matched or can
> they be same freq. "off the shelf variety" ?? Thanks de Jack, K4BYF.
>=20

> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>=20

Date: Fri, 2 Feb 2001 07:44:56 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [90445] FYBO - NVQS
Message-ID: <LPBBJAGIPFHKPJENAKLOIEOFDJAA.n1bq@wulfden.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Northern Vermont QRP Society will be on tomorrow for FYBO from an
expected cold deck at N1BQs QTH. The callsign will be KB1GDF as the
vanity system still hasn't caught up to our requested call yet.

72 de brian, n1bq

--
N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
<<mailto:n1bq@wulfden.org>>
NoVT QRP Society <<http://www.wulfden.org/NVQS/>>
AMSAT LM-1418 NJQRP #274
QRP-L #2276 Zombie #768

Date: Fri, 02 Feb 2001 07:50:02 EST
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [90446] TMPS - de N5IB
Message-ID: <20010202.064541.4655.1.n5ib@juno.com>

Following Chuck's lead, I've been trying to make at least one QSO per day on 30 m with the Green Mountain 30 (Small Wonder Labs) In fact, except for fox chasing, haven't used the K-2 in about two weeks. The Rx in the GM-30 isn't that far behind the K-2.

Almost every time I listen around in the evenings I hear Chuck working someone with his 500 mW.

See you on 30....72,
Jim N5IB

TMPS-2001 from Baton Rouge, LA:
Feb 02, 2001 Q's = 16 States = 10 Counties = 13 DXCC = 4
GM-30 (autographed by NN1G), 2 W, J-38 straight key, 40 m full-wave horizontal loop at 15 ft
FL, LA, AX, ND, TX, CO, IA, AL, SC, WI ----- DXCC: K, CO, XQ, V31
see the rig at <<http://www.qsl.net/n5ib>>

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 2 Feb 2001 08:09:36 -0500
From: Joseph I Pirkle <ad4ih@juno.com>
To: raindance@bigfoot.com, qrp-l@Lehigh.EDU
Subject: [90447] Re: Instructograph
Message-ID: <20010202.080936.-3844111.3.ad4ih@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for all the great information and help re: Instructograph. Have an offer. What a great, well-informed group. dit-dit

72/73,
Joe Pirkle, AD4IH,
QRP-L #2236
ad4ih@arrl.net / ad4ih@juno.com

Date: 2 Feb 2001 05:23:44 -0800
From: Mike Pupeza <mpupeza@altavista.com>
To: bob.cromwell@home.com, QRP-L@Lehigh.EDU

Subject: [90448] Re: SMK-1
Message-ID: <20010202132344.1984.cpmata@c012.sfo.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

Bob;

I'm glad you wrote me. While I had received a few confirmations of my first 'problem', no-one really noticed the 2nd, or didn't complain. Thanks for confirming that my SMK-1 appears to be working the same as many, or most.

It does work well anyway. These are very minor notations and they don't appear to detract from overall operation, but no-one would accept them in a 'Professional Commercial' product!

72

Mike VE3EQP.....>

On Wed, 31 January 2001, Bob Cromwell wrote:

>

> Hi --

>

> My SMK-1 (with the 1W mod) has the "feature" of short snatches

> of broadcast audio, just very briefly when it first goes from

> transmit to receive. It seems to get slightly more prevalent

> during a sequence of transmitted dots and dashes -- as I send,

> the broadcast audio apparently "in the background" becomes more

> noticable. But as soon as I quit transmitting, it stops.

>

> Not very distracting, and I've had the impression that it's a

> sign of better conditions. At least the broadcast signals are

> strong!

>

> Have only managed a couple of QSO's so far, but my antenna is
> no more than the rain gutters coming down the apartment building
> on either side of my balcony, fed as some sort of ill-balanced
> doublet. Can't call it a dipole, that would imply some sort of
> resonance.... But the SMK-1 is fun, and impressive in terms of
> miles per watt, or miles per cubic inch!

>

> Bob KC9RG

> bob.cromwell@home.com

Find the best deals on the web at AltaVista Shopping!
<http://www.shopping.altavista.com>

Date: Fri, 2 Feb 2001 06:46:28 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Michael Melland <badger@vbe.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90449] RE: DMM on sale...also 12v gel cell pwr supply
Message-ID: <Pine.LNX.4.31.0102020642000.760-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike, I ordered one to power my handy talky I carry with me every day on a 3 mile walk. The normal battery for the ht costs \$50 and is 1.3 amp hour. This battery will last all week between charges and let me run high power. I hope it's not too heavy! By the way it's 3.5 amp-hour according to the web page. And having the catalog number was a great help. I just put that in the search bin and it went right to it.

On Thu, 1 Feb 2001, Michael Melland wrote:

> They also have a very nice portable 12 volt Vector Mfg Ltd. power supply on
> their web site only section. The catalog number is: 98-1109 and it's also
> \$19.99 on sale (was \$40). It's a 4.5 amp hour gel cell, cig plug socket, 10
> amp fused, DC/DC charger lead, AC power cube charger in a nice carrying case

> with strap. I got mine yesterday and it's really nice !
>
> 73 de Mike, W9WIS
> --
> Michael Melland, W9WIS
> QRP-L #1656 QRPARCI #9875
> SOC #142 IPARC #252
> EN54pc Winnebago Cty, Wisc.
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 2 Feb 2001 08:52:37 -0500
From: Tim O'Rourke <TO'Rourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [90450] Lettering Cases
Message-ID: <910D8E9955E3D411B3AE00A0C9319CB801A58A@MAIL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

One additional approach:

Lay out your panel in a simple cad or draw program.
Buy some clear ink or laser lables at office supply.
Print out panel on clear lable stock Note if you use ink let dry for several hours.
Apply lable to panel, cut out any holes with exacto knife
Apply LIGHT coat of clear spray, too much will make ink run.
Makes pro looking panels
Tim O'Rourke KG4CHX

Date: Fri, 2 Feb 2001 08:32:24 -0500
From: ed.kwik@delphiauto.com
To: "qrp-" <qrp-@delphiauto.com>
Subject: [90451] Michigan QRP Net Results
Message-ID: <052569E7.004A9836.00@usabhm99.mail.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

We had six check ins for this weeks net:

WA9YDT	559	Vance	IL	
N3AO	579	Carter	PA	
K8NWD	599	Tim	MI	
W8UCB		James		He checked in but never came back to any calls
WA9PWP	599	Paul	WI	
WB8UUT	449	Tom	MI	Using an apartment antenna

Thanks for al of the check ins. The Michigan QRP net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All Hams are welcome. C U all next week.

TMPS 2/2/01 16 states with a new one in the past week WA. 3 countries. Rig SW-30+ powered with a 12 cell AA battery pack of used batteries from my hand held computer. Antenna is a 105 ft dipole at 40 feet.

Date: Fri, 02 Feb 2001 09:11:57 -0500
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90452] Fox: K4FB was weak into Fairport
Message-ID: <3A7AC02D.E1B97CD5@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul was very weak into Fairport, NY last night and there were a couple of strong QSOs right near his frequency but I was able to copy him pretty good.

73,
Tom kv2x

Date: Fri, 02 Feb 2001 08:26:12 -0500
From: "W5TB - 'Doc' Drake" <w5tb@softhome.net>
To: <k5di@zianet.com>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [90453] Re: DMM on sale...also 12v gel cell pwr supply
Message-ID: <B6A01FA4.6F35%w5tb@softhome.net>
Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

> I hope it's not too heavy! By the way it's 3.5 amp-hour according
> to the web page.

And the booklet which comes with it says 5 amp-hour. Comes in a very nice little carrying case with shoulder strap - cigarette style outlet with spring close cover and 10 amp fuse. Perfect for taking a QRP rig to the park. On a three-mile walk? -- dunno, but it also has a waist strap so maybe. I'm going to use this with the K1 in tomorrow's FYBO in the back yard or from a nearby park. If you're sitting on the fence on this one jump off.

BTW - also includes a wall-wart charger and cable/plug for recharging from car outlet. IMHO well worth the \$20 -- as usual no connection to RS other than that they know me by first name and have my credit card number on file :-)

>> They also have a very nice portable 12 volt Vector Mfg Ltd. power supply on
>> their web site only section. The catalog number is: 98-1109 and it's also
>> \$19.99 on sale (was \$40). It's a 4.5 amp hour gel cell, cig plug socket, 10

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@arrl.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
FPQRP # 128 SOC # 396 ARRL Life Member licensed & active since 1959

Date: Fri, 2 Feb 2001 09:31:25 -0500
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [90454] Answering questions & "OT: Generator question"
Message-ID: <v03110703b6a069fb9d02@[132.235.81.133]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

I just finished reading some posted and individual responses to a recent post of mine to QRP concerning, "OT: Generator question." What I feared happened, I got some replies that were nothing short of nit-picking. I gave general info to help someone out and I figured that he was smart enough to figure out the details.

However some on the list think that it is their sworn duty to correct every little thing in the post.

Some things are just too easy for people and they feel like they have to make it complicated. For instance:

"Greg, make sure the positive of the battery is connected to the positive of the power supply."

OR:

"Keep the generator far away so the noise is not bad."

OR,

"You shouldn't do that because my great-aunt Minnie May from Phoenix says that you might get battery acid on your pants.... you'll shoot your eye out kid!... you'll go blind from doing it... it'll stunt your growth... etc.

GEESH, DUH! DUH!!

That is why I've decided to quit answering questions to the qrp-l list and will only reply to individuals.

So please quit nitpicking, I think that most of the folks here are intelligent enough to fill in the missing details of a general post.

NS80

Date: Fri, 02 Feb 2001 14:41:01 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90455] Re: Answering questions & "OT: Generator question"
Message-ID: <3A7A80AD.3CF9B104@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greg Weinfurtner wrote:

> So please quit nitpicking, I think that most of the folks here are
> intelligent enough to fill in the missing details of a general post.

To add more information or details you might want to say something like,
"You might also want to ????, or Please take the precaution of ???"

The person who made the short post may have just want to hit the highlights
and might not have had time to write a dissertation.

An example; While we all know (or should) to let a generator cool for 5 minutes
or so before refueling, how many routinely do refueling at a break time like
dinner or other so it can be cooling while we are doing other things? Then
the end of the break is, fuel and relight the generator and jump back into
the fray.

--

michael N6CHV AMA 77292

Sell more online; <http://www.sitesell.com/webbible.html>

Date: Fri, 2 Feb 2001 09:52:33 -0600
From: lfcpa@juno.com
To: qrp-l@Lehigh.EDU
Subject: [90456] FS - shack cleaning - one left
Message-ID: <20010202.095234.228.0.lfcpa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks guys. The SW-40+ and the SMK-1 went fast. I still have the MFJ
9020 20M QRP CW rig and have reduced the price to \$75.00 shipped CONUS.
This rig is in excellent condition and includes the optional MFJ audio
filter. Includes the original box and manual. I will throw in a Halted
Specialties Pixie kit (new and unopened) and a Norcal BLT tuner kit (new
and unopened) . Still trying hard to raise funds for a new K-1.

Thanks a million,

Leland Ferris KD5JAM
Lubbock, TX

Date: Fri, 02 Feb 2001 10:01:41 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90457] OT - Automotive Oscilloscope

Message-ID: <Pine.OSF.4.31.0102020959160.11295-100000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

I am curious to know what are the differences between an automotive oscilloscope and one used for electronics. If one were to use the pick up mechanism from a timing light could one use a standard oscilloscope in an automotive setting?

Please reply off list. If there are other people interested in this question I can email them with the responses I get, so as to minimize bandwidth on the reflector.

Thanks.

Brian.

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>
VE5RDV

Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

Date: Fri, 02 Feb 2001 16:26:52 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90458] Re: OT - Automotive Oscilloscope
Message-ID: <3A7A997C.F47AD9D6@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The main differences are the probes and the programing.
The spark plug pickup is a capacitive clamp. Currents are usually done with a clamp on inductive sensor. The programming in the scope

makes life a lot easier by presenting info in a manner that is handy for the auto tech.

There is a lot of info available at;
<http://www.aeswave.com/>
Also links to other sources.

The pickup from a timing light would be very usefull as a trigger source so that you know that you are always triggering on the same signal, usually plug #1.

--

michael N6CHV AMA 77292

Sell more online; <http://www.sitesell.com/webbible.html>

"Brian.Buydens@usask.ca" wrote:

>
> I am curious to know what are the differences between an automotive
> oscilloscope and one used for electronics. If one were to use the pick up
> mechanism from a timing light could one use a standard oscilloscope in an
> automotive setting?
>
> Please reply off list. If there are other people interested in this
> question I can email them with the responses I get, so as to minimize
> bandwidth on the reflector.
>
> Thanks.
>
> Brian.
>
> Brian Buydens
> Veterinary Electronic Data Specialist
> Computing Services, University of Saskatchewan
> email: Brian.Buydens@usask.ca
> <http://duke.usask.ca/~buydens>
> VE5RDV
>
> -----
> Did you hear about the two antennas that got married? The wedding was a
> disaster but the reception was great!

Date: Fri, 2 Feb 2001 16:43:34 -0000
From: "Kenneth Evans" <w4du@mediaone.net>
To: "QRP-1 Discussion" <qrp-1@Lehigh.EDU>
Subject: [90459] FDIM 2001 Registration
Message-ID: <001d01c08d37\$48c28840\$6501a8c0@atl.mediaone.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Many of you have already discovered that you can register on line for the FDIM 2001 events at the QRP ARCI web site via Pay Pal. We also take checks via snail mail.

The details for FDIM 2001 are found at: <http://www.qrparci.org/fdim64.html>.
The registration form is at: <http://www.qsl.net/k4zol/fdim/index.html>.

I will receive a copy of your on line registration from Pay Pal, so you need not inform me. For those that wish to use surface mail and pay via check, the form can be printed and mailed to me along with your check. Please include your e-mail address as I will confirm receipt to you via e-mail. For those without e-mail, I will confirm via regular mail. I review my e-mail and regular mail once per week. At that time (usually a Sunday evening), I will mail a confirmation to you. So if you register via Pay Pal on a Monday, you probably will not hear from me with a confirmation until the following Monday. In addition to the direct confirmation, we will have a list of attendees posted on the QRP ARCI web site. This is updated once per week and is at: <http://www.qrparci.org/fdim2001.htm>. You can check here and confirm your status.

We will not be mailing tickets or nametags this year. It got to be a major hassle. You will receive them when you sign in at the door. We will start sign in on Wednesday evening to try to minimize the "surge" Thursday morning. A registration table will be available throughout the weekend. More details on actual time and place in the will follow.

The FDIM 2001 Team is looking forward to seeing you at Dayton!

72/3,
Ken W4DU
QRP ARCI #696, GQRP, NOGA, NORCAL, ARRL-Life

Date: Fri, 2 Feb 2001 09:02:20 -0800
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [90460] Re: Really Stupid Question Time (calibrating a function generator
)
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76A1A@hq-expo2.filenet.com>

Thanks to all who replied. The general sentiment was that function generators are not frequency standards and my unit was probably behaving

correctly.

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Fri, 2 Feb 2001 12:18:21 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <k1oj@ditdit.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [90461] RE: QSL info
Message-ID: <000101c08d3c\$25204580\$7e0af618@knbunk.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I might add that I've sent cards to V51AS as per his request "to the callbook address."

Last night I snagged him on 80-meter CW, so I checked my records. I sent cards to him in 1999 to the Swakopmund box and haven't received anything back yet.

Has anyone else on this list received a card from V51AS? If so, what address or route was successful?

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of k1oj
Sent: Wednesday, January 31, 2001 8:01 PM
To: Low Power Amateur Radio Discussion
Subject: Re: QSL info

You can find the QSL routes from my web page at www.ditdit.com , I checked all the calls you mentioned and all were available via the QRZ manager button except V51AS, he can be found using the 'RW1QM' button.

OJ
ditdit

Reply To:

k1oj@ditdit.com

k5oj@ditdit.com

www.ditdit.com

----- Original Message -----

From: "John Harper" <ae5x@qsl.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, February 01, 2001 5:43 PM

Subject: QSL info

> Does anyone know of a web site with qsl manager info for recently active
DX

> stations?

> Specifically looking for :

> 9G5AA

> 3V8BB

> V51AS

> D4A

>

> Thanks and 72,

>

> John Harper AE5X

> Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

>

>

>

Date: Fri, 2 Feb 2001 12:22:57 -0500 (EST)

From: KENNETH ROBERT MCGUIRE <at902@tcnet.org>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [90462] Cherryland ARC FYB0

Message-ID: <Pine.LNX.4.21.0102021207400.15637-100000@hendryx.tcnet.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

The Cherryland ARC, Traverse City, MI will have a team showing for FYB0. Our field location will be the observatory South of town, where will will have both a warm place (inside) and cool operating locations. We hope to operate the whole time with the help of tag-team operators. Our callsign will be N8KV, and we will sort of be doing a show and tell of QRP rigs to each other. Operators include:

N8KV, who will bring his NC40a

N8WK

AA8SN, who will bring her Sierra
KX8CW, who will bring his MFJ 9040
KC8LTL, who will bring his K1 and DSW-80
and whoever shows up...

In addition, we should have a TS-570 and a FT-890 turned down to 5 watts
as backup and rigs as well as 10 & 15 CW and SSB, if we find the
microphone...

Hope to work you all (or to talk the QSO parties into the FYBO exchange).

Ken McGuire
KC8LTL in EN74cp
at902@tcnet.org

Date: Fri, 02 Feb 2001 17:56:10
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [90463] Cub Fox: W0MC Mea Culpa!
Message-ID: <F160bKP7Ie8t1MazUSx000005be@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

My Dearest Hounds,

Well, for the second time this season I botch it as the fox -- and it had
nothing to do with being off frequency. This time, I completely failed to
notice that my fox duty conflicted with a recently scheduled business trip
to the UK. So, while everyone was searching for a "CQ FOX", I was sound
asleep in my hotel in London :-). For some reason, I had myself convinced I
wasn't fox again until the middle of February, so I planned this trip
without even worrying about the foxhunt.

Please accept my sincere apologies for spacing this one. I'd be glad to
double up with another fox later on or setup a rain date if desired.

73,

Jerry
W0MC

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Fri, 2 Feb 2001 09:58:52 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@lehigh.edu>
Subject: [90464] FYBO Tomorrow
Message-ID: <01c08d41\$cdd2aa60\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, don't forget, FYBO tomorrow. Lots of QRPers on the air, and all of them having fun. I will be operating from my home station, as I have a commitment that I can't get out of, so I won't be able to join the infamous NorCal West Coast QRP Outdoor Gotta Have Fun Contest Club on their trek to the wilds of California to operate Saturday. Dave Fifield, Paul Maciel and Mike Gipe will hold down the fort for me, and as I won't be there to slow them down, will probably make a lot more Q's.

We tried to get Vern Wright, Mr. Super Antenna, to agree to let us beta test his portable 6 element 5 Band Quad that sits on a 72 foot tower and folds down to fit into a briefcase, but he says that he has a couple of things left to work out on it, so we were not able to get it for the test. Maybe the next one.

Should be a ton of stations on from Arizona, as the Scorpions always go all out for this one. These guys all go for the low multipliers. Last year Dave Fifield and I operated from Tempe with Dan Tayloe, and had a blast. Lots of action on the bands. In fact, we worked W5JAY, JayBob in Ft. Smith and he was using 1 mW!!! Of course, we had an advantage, we had one of Dan Tayloes' Scorpion Stinger Homebrew rigs that uses a Dan Tayloe patented mixer and is optimized for weak signal work.

Hope to catch you on the bands, and my goal is to work KK6MC/5, NA5N, N0QT from New Mexico. I have worked them in every QRP contest. Gotta keep the record intact. My antenna will be the NorCal Doublet fed with ribbon cable. You know, the one that doesn't work!!! Grin. Have a good one. 72, Doug

Date: Fri, 02 Feb 2001 13:08:52 -0500
From: Paul <paul.adler@snet.net>
To: qrp-1@Lehigh.EDU
Subject: [90465] Advice on Ten-Tec 30 meter QRP kit
Message-ID: <3A7AF7B3.1E800C80@snet.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would like to try my hand on building a QRP rig for 30 meters. I was thinking of building the Ten-Tec 1330 kit. Any advice or is there anything better? I would like to spend between \$100 to \$200.

Paul KW1L

Shop online without a credit card
<http://www.rocketcash.com>
RocketCash, a NetZero subsidiary

Date: Thu, 1 Feb 2001 13:05:01 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90466] Re: Sort of OT: Generator Question
Message-ID: <000301c08d44\$b2f272e0\$fe414cd1@johnmori>

> >Living in California, I am looking into buying a generator. I would
> >like to get the very smallest generator I can that will meet my
needs.
> >I am looking at a Honda EU1000i.

Jeff,

If you are thinking about power during blackouts, you might justify it to your XYL more easily if it will also handle the refrigerator, the freezer, the well pump etc.

Those things take a large capacity generator to start them. I bought a 3.5kW Honda powered generator at Costco a couple of years back. I'm not strong enough anymore, but my brother-in-law can lift it and carry it by himself!

Just a thought.

72,

John, K6QQ (who finds a 15 watt solar panel and a battery quite enough for camping use).

Date: Fri, 2 Feb 2001 10:48:33 -0800
From: "W7TRX" <w7trx@mindspring.com>
To: <k6qq@hdo.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [90467] Re: Field radio/batt/solar?
Message-ID: <00e901c08d48\$bf24de00\$cc2579a5@de11>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: John Moriarity <k6qq@hdo.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, February 01, 2001 1:05 PM
Subject: Re: Sort of OT: Generator Question

>
> 72,
>
> John, K6QQ (who finds a 15 watt solar panel
> and a battery quite enough for camping use).

John,

I'm setting up a portable/field station right now. The radio is a Alinco DX-70T (700mah RX). The radio is on its way, I can't wait. I have a portable battery pack, 12v @ 14ah, and a little 5w solar panel.

I will turn the rig down to 5 or 10 watts SSB, but the RX current draw is a bit high. I'm concerned my little battery and panel will fall short.

I would appreciate any input or wisdom you can provide regarding the radio you use, battery size, RX current draw of rig, TX watts out, and operating time?

What are folks using for SSB in the field that works well?

Thanks, Tracy
W7TRX

Date: Fri, 02 Feb 2001 10:59:37 -0800
From: JJ&A <w7ls@blarg.net>
To: qrp-l@lehigh.edu
Subject: [90468] Want IC-706 cw filter. UT-102 voice synth for trade
Message-ID: <3A7B0398.73BFD8FA@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for either of the cw filters (FL-100 or FL-101). I have a UT-102 for partial trade. Thanks. Jim, W7LS

Date: Fri, 2 Feb 2001 11:09:46 -0800 (PST)
From: Jim NOUR <n0ur@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [90469] Its 18 below..... we're ready for FYBO!!
Message-ID: <20010202190946.8927.qmail@web10415.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

It is going to warm up by tomorrow, but at 18 below we have a long way to go. Even if you are not in the contest, get on for a few minutes and keep us busy/warm.

Keep a ear open for WQORP, the MN QRP club call.

72's es GL
Jim NOUR

Get personalized email addresses from Yahoo! Mail - only \$35 a year! <http://personal.mail.yahoo.com/>

Date: Fri, 2 Feb 2001 12:32:14 -0700
From: "Tntjoe" <tntjoe@qwest.net>
To: "list QRP" <qrp-l@Lehigh.EDU>
Subject: [90470] FYBO Rules
Message-ID: <NEBBIJDBGLGEDGHDAACCGAELACGAA.tntjoe@qwest.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Are there any rules for FYBO which I probly wont be doing just because
its suppose to be in the 70s tomorrow but will have fun also
72 Joe

73
Joe KC7TNT

" When all is said and done usually more is said than done"

Name TNTJOE
Ham Radio KC7TNT
Phone # 602-867-7045
Fax # 602-867-7045
Fists C/W Club # 4213
Fists CC # 864

Date: Fri, 2 Feb 2001 14:33:48 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: wa8mcq@erols.com
Cc: qrp-l@lehigh.edu
Subject: [90471] Seconding N2ABP's HoF nomination
Message-ID: <0F097DF459.84F8B233-0N852569E7.0069B496@penton.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Mike:

I'm following up on (and seconding) Doug Hendricks's nomination of George

Heron, N2APB, for QRP ARCI Hall of Fame consideration.

George's qualifications for inclusion in this elite group are self-evident to the entire QRP community. His presence in NJ-QRP has served to bring the club to national prominence and to foster a "can-do" attitude within the club. He's a natural leader whose drive and enthusiasm for all things QRP and homebrew is absolutely infectious. You can't be around George for ten minutes without wanting to build something!

The club needed to develop and distribute kits; George got it done. The club needed to sponsor and run a major QRP symposium; again, George was the man. The club needed to start a journal; there's George. The club's website needs updating with strong content; guess who? George. All of these activities benefit not just NJ-QRP and its members. Rather, they benefit the QRP community at large in a big way.

In addition to his organizational and motivational skills, George is one of our guiding lights from a technical standpoint. Just take a look at his innovative development of a no-computer-necessary, portable PSK rig. That most recent project is evidence of a keen technical mind that's looking to stretch the boundaries and take QRPers' involvement in a new mode to another level.

I'm proud to be associated with George and to be able to call him a friend. Again, I strongly support the nomination of George Heron, N2APB, to membership in the QRP ARCI Hall of Fame. I really cannot think of a more deserving candidate.

72,
David Maliniak, AD2A
QRP ARCI #8737

Date: Fri, 02 Feb 2001 11:38:01 -0900
From: Jim Lavond <lavond@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [90472] Re: Cub Fox: WOMC Mea Culpa!
Message-ID: <3A7B1A9E.DD26B159@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Jerry,

You didn't have your rig with you? THAT would have been a foxhunt! ;-)

73,
Jim
KK7OQ

Date: Fri, 2 Feb 2001 13:49:39 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'k6qq@hdo.net'" <k6qq@hdo.net>, Low Power Amateur Radio Discussion <qrp-
l@lehigh.edu>
Subject: [90473] RE: Sort of OT: Generator Question
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA013033AA@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

I have a little Honda generator that handles only 600 watts
which is a lot smaller than your proposed EU1000i, Jeff.

However, I whole-heartedly agree with John in that you
really need a bigger one -- 3500 watts minimum. You CAN
put it on wheels to move it around (if necessary).

Your original message didn't really clarify what you "needs"
were, but if it's for household use, 3500-5000 watts should
be the minimum.

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: John Moriarity [SMTP:k6qq@hdo.net]
> Sent: Thursday, February 01, 2001 3:05 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Sort of OT: Generator Question
>
>
> > >Living in California, I am looking into buying a generator. I would
> > >like to get the very smallest generator I can that will meet my
> > >needs.
> > >I am looking at a Honda EU1000i.
>
> Jeff,
>
> If you are thinking about power during blackouts,
> you might justify it to your XYL more easily if it

> will also handle the refrigerator, the freezer, the
> well pump etc.
>
> Those things take a large capacity generator to
> start them. I bought a 3.5kW Honda powered
> generator at Costco a couple of years back.
> I'm not strong enough anymore, but my brother-
> in-law can lift it and carry it by himself!
>
> Just a thought.
>
> 72,
>
> John, K6QQ (who finds a 15 watt solar panel
> and a battery quite enough for camping use).
>

Date: Fri, 2 Feb 2001 14:58:26 -0500
From: "Brian" <bmmurrey@amexol.net>
To: <Karl.Kanalz@allegiancetelecom.com>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Subject: [90474] Re: Sort of OT: Generator Question
Message-ID: <003101c08d52\$819cde70\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

We have a Coleman 5000w generator....strapped to a two wheeler for EZ
moving.

Works great.

----- Original Message -----

From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, February 02, 2001 2:49 PM
Subject: RE: Sort of OT: Generator Question

> I have a little Honda generator that handles only 600 watts
> which is a lot smaller than your proposed EU1000i, Jeff.
>
> However, I whole-heartedly agree with John in that you
> really need a bigger one -- 3500 watts minimum. You CAN

> put it on wheels to move it around (if necessary).
>
> Your original message didn't really clarify what you "needs"
> were, but if it's for household use, 3500-5000 watts should
> be the minimum.
>
> Karl K - W8TIF
> McKinney, Texas
>
> > -----Original Message-----
> > From: John Moriarity [SMTP:k6qq@hdo.net]
> > Sent: Thursday, February 01, 2001 3:05 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: Sort of OT: Generator Question
> >
> >
> > > Living in California, I am looking into buying a generator. I would
> > > like to get the very smallest generator I can that will meet my
> > needs.
> > > I am looking at a Honda EU1000i.
> >
> > Jeff,
> >
> > If you are thinking about power during blackouts,
> > you might justify it to your XYL more easily if it
> > will also handle the refrigerator, the freezer, the
> > well pump etc.
> >
> > Those things take a large capacity generator to
> > start them. I bought a 3.5kW Honda powered
> > generator at Costco a couple of years back.
> > I'm not strong enough anymore, but my brother-
> > in-law can lift it and carry it by himself!
> >
> > Just a thought.
> >
> > 72,
> >
> > John, K6QQ (who finds a 15 watt solar panel
> > and a battery quite enough for camping use).
> >
>

Date: Fri, 2 Feb 2001 13:06:42 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>

To: Tntjoe <tntjoe@qwest.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90475] Re: FYBO Rules
Message-ID: <Pine.SUN.4.10.10102021301440.24041-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 2 Feb 2001, Tntjoe wrote:

> Are there any rules for FYBO which I probly wont be doing just because
> its suppose to be in the 70s tomorrow but will have fun also
> 72 Joe

FYBO, like all QRP contests/events, is fun ... whether you participate through the intended theme, or get on the air for awhile from home. Afterall, the home stations help everyone gain more contacts as well.

And I can tell you from FYBO experience, you work alot of stations that are sending 72 or 73 degrees in their exchange ... clearly stations who are operating from home, even though they know they have a ghost of a chance of scoring competitively with those sitting in the snow bank somewhere. But the home stations add to the fun and the contacts, and their presence on the air is ALWAYS appreciated.

72, Paul NA5N
FYBO from San Lorenzo Canyon, NM
Probably in the 30's

Date: Fri, 02 Feb 2001 14:04:40 -0600
From: "George, W5YR" <w5yr@att.net>
To: bmurrey@amexol.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90476] Re: Sort of OT: Generator Question
Message-ID: <3A7B12D8.7352EB76@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I guess the ultimate in convenience is the 7 KW genset in my motorhome parked on the driveway . . .

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!

Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Brian wrote:

>
> We have a Coleman 5000w generator....strapped to a two wheeler for EZ
> moving.
>
> Works great.

Date: Fri, 2 Feb 2001 13:46:46 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'paul.adler@snet.net'" <paul.adler@snet.net>, Low Power Amateur Radio
Discussion <qrp-l@lehigh.edu>
Subject: [90477] RE: Advice on Ten-Tec 30 meter QRP kit
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA013033A9@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

I bought a TenTec 1330 kit.

I built the kit (easily, by the way!)

I use the kit

I LIKE the end product.

It IS, however somewhat heavy for back-packing it, but since I don't
participate in that activity, it works just fine at my home shack.

Go for it, Paul! It's a great rig!

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Paul [SMTP:paul.adler@snet.net]
> Sent: Friday, February 02, 2001 12:09 PM
> To: Low Power Amateur Radio Discussion
> Subject: Advice on Ten-Tec 30 meter QRP kit
>
> I would like to try my hand on building a QRP rig for 30 meters. I was
> thinking of building the Ten-Tec 1330 kit.
> Any advice or is there anything better? I would like to spend between
> \$100 to \$200.

>
> Paul KW1L
>
>
> Shop online without a credit card
> <http://www.rocketcash.com>
> RocketCash, a NetZero subsidiary

Date: Fri, 2 Feb 2001 15:15:50 -0500 (GMT+5)
From: <wd9eyb@butler.qrp.com>
To: qrp-l@lehigh.edu
Cc: wvara@butler.qrp.com
Subject: [90478] KPCB
Message-ID: <Pine.LNX.3.95.1010202150715.1154A-100000@butler.qrp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been playing with adapting my schematic editor to PCB layout.
Here's is a thing I call KPCB.
<http://butler.qrp.com/~wd9eyb/kpcb/>
There's 0.1" between tics.

It doesn't really do 2 sided boards, I've just started playing with that.
So, layout your board with the green traces, not the red ones.

After you have your layout click the display keyword.
After a long time, it could be a very long time, a window with your layout
in black and white will open. Do a screen capture of that and paste
it into something where you can scale it to the right size.

I have found that scaling in paint ain't worth much.
Paint reduces the resolution. But I have had good sucess scaling in
Word of all things.

Have fun.

Jim, WD9EYB
wd9eyb@arrl.net

P.S. I think the display function is slow because there's and
interpreter running an interpreter.

Date: Fri, 2 Feb 2001 13:22:33 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-1@lehigh.edu
Subject: [90479] [PROP] FYBO Saturday (short)
Message-ID: <Pine.SUN.4.10.10102021307420.24041-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Am posting this a bit early so those on digest can get it too. Will also follow this up with a longer/tutorial version for those new to the list that might find the solar-propagation stuff confusing.

The sun has been fairly quiet this week. No significant flares, especially yesterday or so far today, so there is nothing coming our way that will trigger any adverse conditions on FYBO saturday.

Solar flux on saturday will be 160-165. Not real high, but high enough for 10M openings. Best times will be early morning and late afternoon. The MUF has been 32-36 MHz over the U.S. from noon to sunset, and right at 28MHz over central Canada. Since it follows an arc right now from where the sun's position is on the earth and eastward, 10M will favor north-south propagation after local noon.

15M and 20M will be in good shape. Good ionization of our E and F layers means good medium (1000 km) and long (3000 km) skip and fairly low signal absorption. So expect good signal-to-noise on the higher bands.

No flare activity means no solar wind extremes to upset our magnetic field. So no geomagnetic storming; A-index will be 5-7 for quiet to just barely "unsettled" conditions. This effects mostly 40M, which should also have fairly low noise levels late afternoon into dark. Low noise levels means your QRP signals on 40M will appear to travel farther and those generally weak field stations might be an S unit louder.

In short, all the HF bands look in good shape for a good FYBO. Have fun, enjoy the contest, whether indoors or out. And if outside, always keep your safety in mind. Frostbite is a bummer.

72, Paul NA5N
Socorro, New Mexico

Date: Fri, 02 Feb 2001 12:22:43 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90480] Re: DMM on sale...also 12v gel cell pwr supply
Message-ID: <3A7B1713.A922EAD9@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I ordered two and received them today; now charging both. I think a very good deal at the price. My old standby is a Ham Contact Power Station 7 A-H unit, and I also have a 17 A-H gel cell pack: Both have more features (which I do not use) but are also bigger and heavier. My guess is that I could operate my K1 for 24 hrs on one of these smaller ones (3.5 A-H) without a problem .. and my HT at full power for a similar period. But for hiking/backpacking my 10 AA pack is likely still the K1 supply of choice.

73, Phil W7OX

"Karl F. Larsen" wrote:

>

> Hi Mike, I ordered one to power my handy talky I carry with me every day
> on a 3 mile walk. The normal battery for the ht costs \$50 and is 1.3 amp
> hour. This battery will last all week between charges and let me run high
> power. I hope it's not too heavy! By the way it's 3.5 amp-hour according
> to the web page. And having the catalog number was a great help. I just
> put that in the search bin and it went right to it.

>

> On Thu, 1 Feb 2001, Michael Melland wrote:

>

> > They also have a very nice portable 12 volt Vector Mfg Ltd. power supply on
> > their web site only section. The catalog number is: 98-1109 and it's also
> > \$19.99 on sale (was \$40). It's a 4.5 amp hour gel cell, cig plug socket, 10
> > amp fused, DC/DC charger lead, AC power cube charger in a nice carrying case
> > with strap. I got mine yesterday and it's really nice !
> >

Date: Fri, 02 Feb 2001 12:27:39 -0800
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [90481] Reminder for the FEBRUARY SPARTAN SPRINT
Message-ID: <B6A0583B.67CA%russ@natworld.com>
Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The February Spartan Sprint will be held on Monday, February 5, 2001 (which is our standard date--the first Monday of the month). You may operate on any one or more of five bands--80, 40, 20, 15, and 10 meters. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

For this Sprint only, we will give you a 3X multiplier for your 80 meter contacts!

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST. Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST. In terms of UTC, start at 0200 and finish at 0400.

2. The frequencies will be 3560+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-. (You may operate any number of bands--your choice.)

3. Exchange RST, SPC (state, province or country) and power output.

4. If you choose to call CQ, use the format "CQ SP," or "CQ QRP TEST."

5. You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to www.natworld.com/ars and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at www.natworld.com/ars/ss_log.html.

If you don't have access to the web, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of all transmitters, receivers, keys, keyers and batteries used during the Sprint). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday afternoon.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

Date: Fri, 2 Feb 2001 13:33:05 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Tntjoe <tntjoe@qwest.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [90482] Re: FYBO Rules
Message-ID: <Pine.LNX.4.31.0102021329230.847-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the rules and if it only gets down to 70 your temp multiplier is zero. Here in Southern NM at 5,000 feet above msl, tomorrow morning it's going to be below 20 so we can get a x6 multiplier.

That said we are going just to have fun. Out to a camp site that's out of town and all the power lines, to play with a radio and laptop with QRP Dupe on it.

On Fri, 2 Feb 2001, Tntjoe wrote:

> Are there any rules for FYBO which I probly wont be doing just because
> its suppose to be in the 70s tomorrow but will have fun also

> 72 Joe
>
>
>
>
>
>
>
> 73
> Joe KC7TNT
>
>
> " When all is said and done usually more is said than done"
>
>
>
> Name TNTJOE
> Ham Radio KC7TNT
> Phone # 602-867-7045
> Fax # 602-867-7045
> Fists C/W Club # 4213
> Fists CC # 864
>
>
>
>
>
>
>
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 2 Feb 2001 15:48:10 EST
From: W0rw@aol.com
To: qrp-l@lehigh.edu
Subject: [90483] w0rw@LB0 for FYB0
Message-ID: <18.84b6ee8.27ac770a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

w0rw will be operating FYB0 again from the Las Brisas Observatory (LB0) high in the Rocky Mountains (Colorado - el. 8500 ft w/snow on ground) tomorrow.

If you need a snowy place to operate drop by and set ur rig up.
See you on the air...
72 Paul
w0rw@aol.com
Operating site pix at
<http://www.LB0.teuton.org>

Date: Fri, 02 Feb 2001 16:14:41 -0500
From: "Mark Adams, P.E." <k2qo@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [90484] FYB0: Please try 15 & 10 M
Message-ID: <F2170EVrQQehr0BDQnD00003ddb@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Gang,

I find that in many to-the-field type contests that 15 and 10M are way underutilized. So please, try the upper bands and give me some Q's. I will have some decent gain to the west on those bands. The WX looks cold. The morning will start out at 9F and warm up to 25F by mid afternoon.

CUL,
Mark K2Q0

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Fri, 2 Feb 2001 15:42:23 -0600
From: Don R Riedel <donkc0gmf@juno.com>
To: weinfurt@oak.cats.ohiou.edu
Cc: qrp-1@Lehigh.EDU
Subject: [90485] Re: Answering questions & "OT: Generator question"
Message-ID: <20010202.154224.-250343.0.DonKC0GMF@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Greg,

Don't let a few seemingly negative posts discourage you from publicly answering questions! I, and I estimate hundreds of others, read these lists not because we have nothing else to do--- rather because those answers contain useful information on something we think about much of

the day as we work for others. It's great to come home to some good answers waiting for us on the list!! Let's stay positive sports fans and write good questions and answers. This Internet is a powerful opportunity for ALL of us.

Don KCOGMF

On Fri, 2 Feb 2001 09:31:25 -0500 Greg Weinfurtner
<weinfurt@oak.cats.ohiou.edu> writes:

> Hi all,
> I just finished reading some posted and individual responses
> to a
> recent post of mine to QRP concerning, "OT: Generator question."
> What I
> feared happened, I got some replies that were nothing short of
> nit-picking.
> I gave general info to help someone out and I figured that he was
> smart
> enough to figure out the details.
> However some on the list think that it is their sworn duty
> to
> correct every little thing in the post.
> NS80
>
>

Date: Fri, 2 Feb 2001 14:50:15 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Subject: [90486] FYBO PROP Tutorial
Message-ID: <Pine.SUN.4.10.10102021323130.24041-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

This is primarily intended for those new to QRP-L who have missed out on some of the previous posts on solar activity and propagation.

Solar flares can cause disruptions to HF communications. When a solar flare occurs, there is an immediate release of speed-of-light energy. Depending on the size of the flare, this energy can stretch from 10MHz through the spectrum to x-rays and gamma rays. Although 100-300MHz to x-rays is more typical. This can cause various forms of disruption to HF *and* VHF communications, but the good news is it lasts ONLY for the duration of the flare event ... usually 30 minutes or less. And the

enhanced x-ray radiation, which is ionizing radiation, will enhance the ionization of the E and F layers, meaning they will become more reflective to HF signals below the maximum usable frequency (MUF). How much ionizing radiation we get each day from the sun is called the "solar flux," and it measured several places around the globe at 2880 MHz.

For example, right now the solar flux is in the 160-165 range. 10M is usually open when the solar flux is ABOUT 150 or more. A very ROUGH right hand rule. During the active sun, like now, it is not unusual to see the solar flux exceed 200, for very good conditions. Likewise, during the quiet sun (a few years from now), the solar flux will be around 60-90. That is insufficient for 10M or 15M to be open.

Also when a large flare occurs, the complex magnetic field surrounding the flare will cause millions of tons of solar mass to be lifted off the sun's surface and propelled out into space via this magnetic field. This is called a coronal mass ejection (CME). New data shows that a CME actually precedes about 30% of the flares. None-the-less, this mass is flung out into space as a "shockwave" and rides along with the solar wind at speeds of 450-1000 km/sec. (Normal solar wind is about 350 km/s). When this CME shockwave approaches earth, it exerts a strong pressure on our magnetic field, compressing it and causing it to wiggle like jello (trademark of somebody) for many hours. While wiggling, it generates huge electrical currents that flows between the poles and causes large noise generation on HF. The effects of this are USUALLY noted below about 10MHz, and has little effect on 20M and above. Such a "geomagnetic storm" can last from a couple of hours to over a day, depending on the size of the flare and it's shockwave, and how directly the shockwave strikes the earth. This shockwave takes 2-3 days (55 hours average) to reach the earth following the flare.

It is important to realize that the shockwaves from many flares are propelled out into interplanetary space away from the earth, so not every flare will effect the earth or cause a geomagnetic storm. The trajectory has to be right.

The variations in our magnetic field are measured (in terms of "nano-Tesla's" or nT) every 3 hours by several observatories around the planet. This 3-hour measurement is called the "K-index." K values of 1,2 or 3 indicate quiet to unsettled conditions. K=4 is minor storming, and K of 7,8 or 9 is severe storming. The K-indices are averaged over the UTC day to form the daily index, called the A-index. Realize that the current K-index is for the past 3 hours, while the current A-index was YESTERDAY's average. The K-index is obviously more useful for an estimate of CURRENT HF conditions.

The current solar flux, K-index, solar wind parameters and the sun's x-ray output are in neat graphical form at: (updated every minute)

www.sec.noaa.gov/today.html

They are also shown in a neat "instrument" type of display at:

www.sec.noaa.gov/SWN/

And a neat chart showing the current and past 3 months of solar flux, sunspot numbers and A-indices is at: (updated daily)

www.dx1c.com/solar

For FYB0, the A-index is forecasted to be 5-7, or fairly quiet conditions, with the K index predicted to be 1 or 2. And since there's been no flare activity today or thursday, there is no shockwave on its way to earth to trigger a geomagnetic storm on saturday. Remember, it takes 2-3 days for the shockwave to reach us, so a large flare would have had to occur yesterday to bother us this weekend. If a HUGE flare would to occur friday, we'd be back at work monday before the effects of it were felt. So to see what conditions are likely for the weekend on 40M, see if the sun had a large flare on wednesday or thursday.

The maximum usable frequency (MUF) right now over the US is 32-36 MHz, so 10M should be open during daylight hours. However, once the sun sets, the ionizing radiation from the sun stops above our head. All those free electrons stripped off by the ionizing process very quickly recombine with their host oxygen atoms. This very quickly lowers the MUF to about 24 MHz right at sundown, and to 18-20 MHz by late evening. This is why 10M will very quickly "die" as soon as the sun goes down and 15M will continue to provide good skip propagations for several hours sometimes following sundown. And since right now in the solar cycle the MUF seldom falls below 16-18MHz, 20M is open virtually 24-hours a day, as is 30M, 40M and 80M. Although, skip propagation on 40 and 80M does not normally occur during daylight hours.

So ... right now in our 11-year solar cycle:

10M is a "daylight" only band; freak openings after dark

15M is a daylight band and into the evening hours

17M tends to be open until midnight, sometimes 24 hours

20M is generally open 24 hours a day

30M is generally open 24 hours a day

40M local "ground wave" propagation daytime hours, high noise
skip propagation and lower noise mid-afternoon to sunRISE

80M local "ground wave" propagation daytime hours, high noise
skip propagation and lower noise sunDOWN to sun sunRISE

FYB0 CONTEST STRATEGY

For FYB0, or any contest, here's a few strategic points many operators try to follow:

1. Always start on the higher bands and work downward. That is, start out on 10M and work it if its open, then to 15M, then 20M. The

reason is to work as many stations as you can while the bands are open during daylight hours. Furthermore, the skip distances will vary by band, so 10-15M will often give you contacts 3000km away, while 20M will be 1000-1500 km skips, thus allowing you to cover more of the country geographically.

2. Around sundown, work 10, 15 or 20M for "grey line" propagation. This is where your signals tends to follow the shaddow of the earth at sundown, and thus, often work stations north-and-south instead of the usual east-west circuits. Allows you to possibly work into areas you'll never hear during other times. A good way to pick up a few new SPC's you'll miss otherwise.
3. How far your signals bounce to depends on the "take off angle" of your antenna. Dipoles have a high take-off angle, and the first skip zone will be a few hundred miles or more, while a vertical has a low angle of radiation and the first skip zone can be 1000 miles or more. Therefore, many operators will erect a dipole AND a vertical to work different geographical areas of the country on the same band by taking advantage of the different take-off angles.
4. 40M is often a good band to get on around mid to late afternoon. Before sundown, you are communicating primarily by ground wave, and thus you will QSO with stations in the surrounding states ... VERY difficult to do on the higher bands in the day because of the long skip distances that occur. Then as it approaches sundown, the propagation on 40M changes from ground wave to sky wave (skip) propagation for working farther distances.

For FYBO, I do #4 ... not only for the cool, nifty propagation characteristics described, but because you will usually experience the lowest operating temperature at or after sundown to pick up another multiplier point or two before the contest ends.

Take the general guidelines above and compare it with what YOU experience on the bands. The changes in propagation, noise and fading (QSB) are all the result of some amazing physics occuring on our sun, the solar wind, geomagnetic compression, the earth-sun link, and upper atmosphere ionization. And you just thought it was some mere RF going from point A to B!!!

Enjoy FYBO and hope to work a bunch of ya.

72, Paul NA5N
Socorro, New Mexico

Date: Fri, 02 Feb 2001 16:47:19 EST

From: n5ib@juno.com
To: qrp-L@Lehigh.edu
Subject: [90487] HB - NorCal BLT - Balanced Line Tuner
Message-ID: <20010202.154252.4655.0.n5ib@juno.com>

Finally getting around to building my BLT and ran into a Gotcha!

As you may recall, when mounting the poly caps you have to be careful not to let the mounting screws penetrate so far as to contact the capacitor plates. I forgot this caveat and countersank the holes in the front panel. So - I needed four thin insulating washers (insulating so in case the shaft rubbed them there'd be no short). None in the junkbox - so I made my own.

I peeled away the copper cladding on a small piece of PC board and drilled the correct hole to clear the screws. Then used my Harbor Freight punch to punch out around the hole - presto - custom fiberglass washers. The punch has that little point which makes it easy to center up on the hole. (though I did grind down the point on the punch size most used for manhattan pads)

BTW - naturally this BLT is going into a HB wood box - so I have the NJQRP PC board case kit, complete with lexan cover, unassembled and unneeded. If anyone butchered yours in the attempt and would like to try again, this one is yours for postage (abt \$2)

Hope to see a few QRPers at the Jackson MS Hamfest tomorrow. I'm bringing my GM-15, GM-30, a Hauff straight key, as well as the work-in-progress BLT for show and tell.

72
Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 02 Feb 2001 17:01:41 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: qrp-l@lehigh.edu
Subject: [90488] Special IA QRP-10 Contact
Message-ID: <5.0.0.25.1.20010202165628.009e81e0@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Just got a chance to work LU7EE, moments after he signed with Mike, N0MF, designer of the now famous IA QRP-10 rig that Chuck, K7Q0 and I have been building. What a neat qso. I just hope that Mike heard my call, so he knew I was able to work this station.

Only QSO that I've had today because of my schedule, but what a keeper!

72 and kind regards to all,

Jim, K8IQY

PS, Frequency was 28.060, at 2148Z. This is the 9th country worked with this rig set for 2.5 watts into my 180 foot end-fed wire.

Date: Fri, 2 Feb 2001 15:05:23 -0700
From: Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>
To: QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [90489] [KIT] Pixie2 questions
Message-ID: <95509081DF6CD411B2C700D0B7848012EE8418@Mohawk.luke.af.mil>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Folks,

Just ordered 2 Pixie2 kits this morning, and am curious about a good xtal source. I plan on putting one on 30m (mod sheet is coming with the kit) and one on 40m (7040kc). I also have both 80m xtals coming with the kits (3686kc and 3579kc).

My questions: 1. Where is the best place (and do they have a web address) to order xtals for these rigs?; 2. Which freq would be good to order for 30m?; 3. Which of the above 80m freqs would be best to use when I mod one of the kits back to 80m?; 4. Which type xtal case would be the best to order (and would a socket be better than soldering the xtal in to allow rapid changing (might work also for the band-specific parts)? 5. A good case? Altoids comes to mind.

I plan on using a 1/4 wave longwire antenna/counterpoise with each and

working some NVIS experiments. Also plan on trying to add a switch between the band-specific parts to see if I can make 2 bands (switchable) on one board.

Please reply directly unless you think it would help other folks on the list.

72, es thx for any info,
Mike, N4VBV in Phoenix

Date: Fri, 2 Feb 2001 15:20:36 -0700
From: Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>
To: Gene Sailsbury <gsailsbury@mobill1.net>, QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [90490] RE: [KIT] Pixie2 questions
Message-ID: <95509081DF6CD411B2C700D0B7848012EE847A@Mohawk.luke.af.mil>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Gene,

Here's the url to the article I was reading (interesting info), the =
vendor
is HALT (Halted?) electrínics in CA. Their 800 number and postal =
address is
at the end. They have lots of goodies, look under HAM items in their =
online
catalog.

The web address: <http://www.qsl.net/al7fs/AL7FS2.html>

72 es good luck,
Mike, N4VBV in Phoenix

-----Original Message-----
From: Gene Sailsbury [mailto:gsailsbury@mobill1.net]
Sent: Friday, February 02, 2001 3:11 PM
To: mike.majority@luke.af.mil
Subject: Re: [KIT] Pixie2 questions

Mike:
Where did you purchase the kits from? Thanks.
Gene Sailsbury KC=D8IKY

----- Original Message -----

From: Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Friday, February 02, 2001 16:05 PM

Subject: [KIT] Pixie2 questions

> Folks,

>

> Just ordered 2 Pixie2 kits this morning, and am curious about a =
good
xtal

> source. I plan on putting one on 30m (mod sheet is coming with the =
kit)

and

> one on 40m (7040kc). I also have both 80m xtals coming with the kits
(3686kc

> and 3579kc).

>

> My questions: 1. Where is the best place (and do they have a web
address)

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one

> of the kits back to 80m?; 4. Which type xtal case would be the best =
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allow

> rapid changing (might work also for the band-specific parts)? 5. A =
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> case? Altoids comes to mind.

>

> I plan on using a 1/4 wave longwire antenna/counterpoise with each =
and

> working some NVIS experiments. Also plan on trying to add a switch =
between

> the band-specific parts to see if I can make 2 bands (switchable) on =
one

> board.

>

> Please reply directly unless you think it would help other folks on =
the

> list.

>

> 72, es thx for any info,

> Mike, N4VBV in Phoenix

Date: Fri, 2 Feb 2001 14:34:29 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [90491] Looking for QRPer in Redding California!
Message-ID: <20010202223429.90901.qmail@web10005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'm going to be up in Redding doing the FYBO thing. I'd thought I'd saw someone on this list from up there. Please contact me if you can and maybe we can swap notes on QRP!

Then again I might have been seeing (hearing?) things again. 8-)

Jeff

=====
AB6MB
Stop censorship on mailing lists!
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798

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a year! <http://personal.mail.yahoo.com/>

Date: Fri, 2 Feb 2001 15:33:11 -0700
From: Majority Mike Capt 56 TRS/IP <mike.majority@luke.af.mil>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [90492] [KIT] Pixie2 Kit Info
Message-ID: <95509081DF6CD411B2C700D0B7848012EE84E6@Mohawk.luke.af.mil>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Wow!

Just got LOTS of e-mails after posting the Pixie2 inquiry, asking about the source so here's the info:

HSC Electronics
3500 Ryder St.
Santa Clara, CA 95051

1-800-442-5833

Web: <http://www.halted.com/> (Just look under "Products" in the HAM section)

Ask for the lady in the ordering department that's a Ham, she's built and modded a couple and knows the product, forgot her name/call.

72,

Mike, N4VBV in Phoenix

Date: Fri, 02 Feb 2001 17:54:54 -0500
From: Duffer <hduff@ica.net>
To: qrp-1@lehigh.edu
Subject: [90493] HW-9 SOLD
Message-ID: <3A7B3ABE.491DD6C2@ica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The HW-9 that I posted for sale has been spoken for.
Thanks, de Hugh VA3TO

Date: Fri, 2 Feb 2001 17:50:35 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-1@Lehigh.EDU
Subject: [90494] QRP Frequency Crystals
Message-ID: <20010202224842.XSGR10619.invictus@n8et>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I am considering stocking crystals for the standard QRP frequencies, but I need to know if there is enough interest to make it worthwhile.

If you would be interested in purchasing QRP frequency crystals, please drop me a quick e-mail in the next couple of days.

Pricing would depend on the quantity I would purchase. I expect it would be in the \$3 - 5 (ea) range.

73 - Bill - N8ET

Kanga US

kanga@mail.bright.net

<http://www.bright.net/~kanga/>

419-423-4604

Date: Fri, 2 Feb 2001 17:50:35 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-1@Lehigh.EDU, GQRP@yahooogroups.com
Subject: [90495] GQRP Club Renewal for 2001
Message-ID: <20010202224846.XSGX10619.invictus@n8et>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

For those of you in North America who have forgotten.... It is time to renew your GQRP membership. All it takes is a check to me for USD \$14 per year made out the GQRP Club. Mail it to:

Bill Kelsey N8ET
3521 Spring Lake Dr.
Findlay, OH 45840

If you do not have any address change, etc., all I need with the check is your call sign and your GQRP number.

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Fri, 2 Feb 2001 17:54:31 -0500
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [90496] RS Vectronics antenna analyzer quality
Message-ID: <004e01c08d6b\$1b9f0f80\$1fd079a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got my Vectronics HF/VHF Antenna Analyzer that is on sale at RS and am not impressed with the quality. The mode push button switch cap was off when it arrived and the switch itself seemed to be mounted very insecurely. There was also a rattle coming from inside the unit.

When I opened it up to find out what was rattling, a screw fell out. Since

the battery pack was loose, I found that this screw held one end of a standoff to the main circuit board -- the battery tray screwed into the same standoff but from the opposite end. I managed to get that put back together thanks to hemostats.

When the mode switch cap (same as the gate switch cap) (and I mean cap like a knob, not a capacitor) was pressed back on the switch, it still seemed loose. Looks like a design problem. The actual switch is mounted on the main circuit board quite a ways from the front of the case. There's a small square extension rod that spans the distance from the circuit board mounted switch to the front of the case and the cap is press fitted on it. On mine, when the cap is pressed all the way on, it barely extends into the case. If it comes loose at all, the bottom of the cap is above the outer surface of the case and allows the thing to wiggle all over. I may be able to shorten the square extension rod so that the perimeter of the push button cap is well within the hole in the case.

Other than that, it seems to work fine and I think I'll keep it. But for others out there who got one of these, you might check your standoffs that the battery tray is mounted to and make sure they are tight. If loose, it could come completely loose and short out something on the circuit board.

Dave K8TRF

Date: Fri, 2 Feb 2001 16:44:50 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "QRP-L" <QRP-L@Lehigh.EDU>
Subject: [90497] Whoo-hah! 2N2/40 Happy dance at last!
Message-ID: <004f01c08d69\$c1084100\$3d2bb4d0@Bleh.Bleh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Russellville, Arkansas: World s slowest man finally completes 2N2/40!

Bought the Norcal issue and blank board at Ft. Tuthill summer before last. Got the VFO and most receiver circuits going in short order. But I never could get the receiver to emit more than the faintest sounds and sorta set it aside in frustration. Finally got back on it a couple weeks ago and discovered a bad transistor in the post-filter amplifier. Who d have thought it? Blaming a transistor seemed simplistic, especially since all DC values looked good. But I replaced it and the receiver sprang to life.

Went to work on the remaining transmitter sections, this time checking each stage carefully, measuring all components (thanks, AADE) and scraping toroid leads most fastidiously. Fired it up last night and it put out a nice 2.5 watt sine wave right off the bat. 7040 was swarming with all those fox guys. I hadn't done much fox hunting previously (it's cruel and inhumane), but I managed to work Paul on about the third try. Fortunately he was listening on his own frequency, since I haven't built the RIT yet.

Now I'm almost ready for FYBO. Still gotta fix my Red Hot 20 tonight if I can. Then I'll head out to the mountain early in the morning. Naturally, I'll be operating the 2N2/40 with the board sitting on my card table and clip leads running off in all directions.

More tedious detail on the 2N2/40 and Manhattan construction:

I sorta cheated on the all 2N2222 aspect of the project a bit. When I ran out of them, I substituted the very similar plastic 2N4401s I had by the ton. I figure getting what you need out of the junk box is in the spirit of the project. And then when it was time for the metal 2N2222As in the driver and final, I didn't have any with long leads. So I substituted 2N2219As from the parts bin. They seem a bit heftier, so I figure I can go to 5 watts with them. I tried cranking up the drive without much effect. Then I remembered that with a class C amplifier, you control power mostly by changing the impedance you show the amp. So I guess I'll try sticking a transformer in ahead of the output filter. Then I'll be running the full pentawatt.

This was my first Manhattan project, although I did build a DC (MRX-40?) receiver to go with my TT-2 after starting the 2N2/40. I made my islands by cutting little strips of board into pieces with a Dremel cutting wheel. That works pretty well, but after a while I noticed that the islands sometimes had tiny shards of copper hanging off and threatening to create shorts. (For want of a better term, I'll call them hanging chads.) So I had to spend a lot of time inspecting, filing and sanding my islands. Anyway, I finally ordered one of those harbor punches. It'll probably arrive today, since I finished the project yesterday.

The other tricky aspect of Manhattan construction is the glue. I'm using Bondini super glue at present. It's probably my technique, but I find that the application is binary you get either zero glue, or a gallon. I finally started putting a big drop somewhere off the board, picking up the island with the needle nose and touching it to the drop, then placing it on the board.

Some of the test equipment I found handy The AADE L/C meter is

really useful when you re not sure whether to trust the markings on a capacitor or molded choke, or whether you ve got the right toroid core. Also, the MFJ-259B was useful as a signal generator, plus I used it to tune the receiver input filters. Just hooked it to the input and tuned the trimmers for 1:1 SWR. The used oscilloscope I picked up a couple of years ago came in handy too, but I need to develop more proficiency with it. And I occasionally modeled a section on the Electronic Workbench modeling program to show what voltages or gains I should be getting or to see if a part substitution would cause any problems. For example, the output filter calls for 1.6 uH toroids, but I had to choose either 1.51 uH or 1.69 uH, the difference in a 1-turn change. EWB showed me that this wouldn t make much difference either way, but 1.51 uH was my better choice.

So now it s time for my belated thanks to Jim, K8IQY for his sophisticated, high performance design. And also to Paul for the extremely helpful illustrations. Heathkit lives!

72 Nick, WA5BDU
in Arkansas

Date: Fri, 02 Feb 2001 18:08:19 -0500
From: Tom Isgro <k8cz@concentric.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [90498] Re: DMM on sale...also 12v gel cell pwr supply
Message-ID: <3A7B3DE3.1ABA1445@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl et al:

I received my gel pack today. Weight is about twice that of an ht and it comes with a shoulder strap for carrying. Literature with the battery pack says 5 amp-hours.

"Karl F. Larsen" wrote:

>

> Hi Mike, I ordered one to power my handy talky I carry with me every day
> on a 3 mile walk. The normal battery for the ht costs \$50 and is 1.3 amp

> hour. This battery will last all week between charges and let me run high
> power. I hope it's not too heavy! By the way it's 3.5 amp-hour according
> to the web page. And having the catalog number was a great help. I just
> put that in the search bin and it went right to it.

>

>

--

"No matter where you go, there you are"

72, 73 oo's

Tom K8CZ Hamilton, OH

FPqrp #-41, QRP-1 945, FISTS 2360, NORCAL 2113, ARCI 9606,
10-10 68364, SCI 1479, ARS 203, SOC 336, ARRL

<http://www.geocities.com/k8cz/qrp.html>

Date: Fri, 2 Feb 2001 16:12:47 -0700

From: "Bob Hightower" <nk7m@extremezone.com>

To: <dodgeboy@mindspring.com>

Cc: "qrp list" <qrp-l@lehigh.edu>

Subject: [90499] Re: RS Vectronics antenna analyzer quality

Message-ID: <002901c08d6d\$aaca1a400\$891df5cc@dell>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

From: "Dave Benham" <dodgeboy@mindspring.com>

Subject: RS Vectronics antenna analyzer quality

> I just got my Vectronics HF/VHF Antenna Analyzer that is on sale at RS and
> am not impressed with the quality. The mode push button switch cap was
off

> when it arrived and the switch itself seemed to be mounted very
insecurely.

> There was also a rattle coming from inside the unit.

>

> When I opened it up to find out what was rattling, a screw fell out.
Since

> the battery pack was loose, I found that this screw held one end of a
> standoff to the main circuit board -- the battery tray screwed into the
same

> standoff but from the opposite end. I managed to get that put back

together
> thanks to hemostats.
>
> When the mode switch cap (same as the gate switch cap) (and I mean cap like
> a knob, not a capacitor) was pressed back on the switch, it still seemed
> loose. Looks like a design problem. The actual switch is mounted on the
> main circuit board quite a ways from the front of the case. There's a small
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> it comes loose at all, the bottom of the cap is above the outer surface of
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> the square extension rod so that the perimeter of the push button cap is
> well within the hole in the case.
>
> Other than that, it seems to work fine and I think I'll keep it. But for
> others out there who got one of these, you might check your standoffs that
> the battery tray is mounted to and make sure they are tight. If loose, it
> could come completely loose and short out something on the circuit board.
>

Had the same problem with mine, and with a HUGE glob of solder at the connection of the S0239 to the board. The blob dropped down and connected to the main (?) board. I removed it, and the two ground connections, and resoldered them to be sure there were no shorts.

Looks like the guy that put the screws in the battery holder was either off, lazy or tired that day :^)

Had a QC sticker on it, tho, so that fella was on the job :^)

Date: Fri, 2 Feb 2001 18:20:14 -0500
From: "Larry Przyborowski" <k3peg@yahoo.com>
To: <nkennedy@tcainternet.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [90500] Re: Whoo-hah! 2N2/40 Happy dance at last!
Message-ID: <001901c08d6e\$b4a4ebc0\$cbfaaccf@k3peg>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Russellville, Arkansas: World s slowest man finally completes 2N2/40!
> 72 Nick, WA5BDU in Arkansas

Not so slow... I'm still working on mine. hi hi
Way too many projects in the "fire".

72 de Larry

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 2 Feb 2001 18:40:10 -0500
From: "Victor Blackwell" <victor@brechnet.com>
To: <nk7m@extremezone.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [90501] Re: RS Vectronics antenna analyzer quality
Message-ID: <003601c08d71\$7c12c680\$605730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looks like MFJ and Radio Shack make a great manufacturing team. Both have the same philosophy of manufacturing.

>> I just got my Vectronics HF/VHF Antenna Analyzer that is on sale at RS and
>> am not impressed with the quality. The mode push button switch cap was

Date: 31 Jan 2001 08:18:46 -0800
From: kh6b@juno.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [90502] Re: Help with SMK-1 small problems!
Message-ID: <20010202.135602.5391.3.kh6b@juno.com>

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Date: Fri, 2 Feb 2001 18:47:26 -0500

From: "Larry Przyborowski" <k3peg@yahoo.com>

To: <nkennedy@tcainternet.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [90504] Re: Whoo-hah! 2N2/40 Happy dance at last!

Message-ID: <009701c08d72\$d2cfdd40\$cbfaaccf@k3peg>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> Russellville, Arkansas: World s slowest man finally completes 2N2/40!

> 72 Nick, WA5BDU in Arkansas

Hi Nick, meant to tell you "great job" in my last email, but I had to send it too quickly... fireplace needed attention at thi end.

So, Great Job! I envy you!

Maybe I won't be too far behind in getting my 2n2/40 completed.

72, Larry

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Get your free @yahoo.com address at <http://mail.yahoo.com>

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